

Power Distribution & Rack Solutions

2022 ▾
2023





Your Premier Partner Since 1979

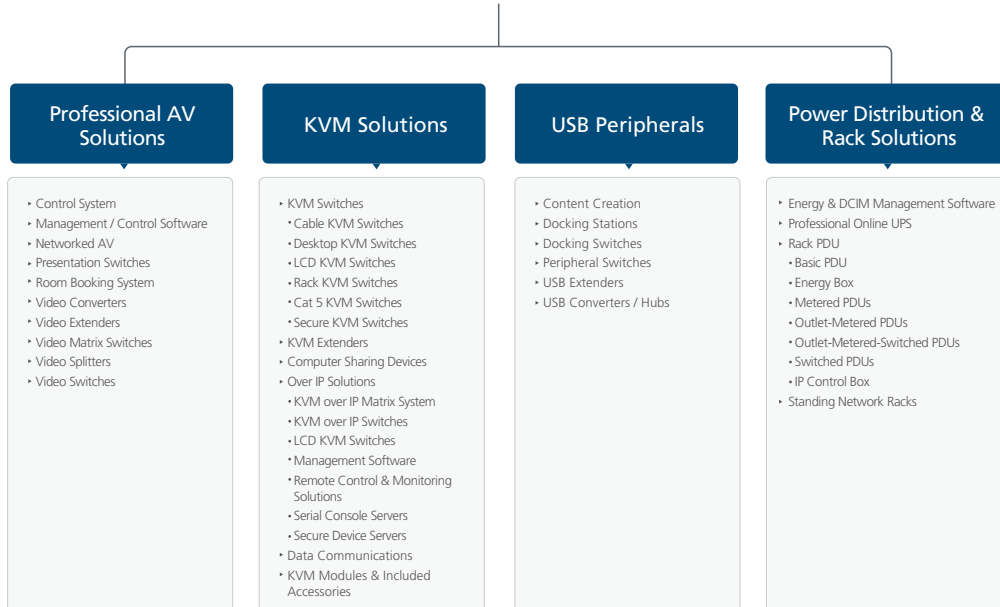
Since 1979, ATEN's success has been anchored upon our dedication to AV/IT technologies and our commitment to sustained innovation and achieving excellence, all fueled by a passion for bringing better connectivity to the world. We will continue to enjoy a solid base of market diversity, geographical expansion, and numerous achievements in alliance with our highly respected clients and partners.

As an accelerator for the integration of AV and IT technologies, ATEN works consistently to create secure, efficient, and productive IP-based AV networking and IT control solutions. Offering integrated KVM, professional AV, and intelligent power solutions, ATEN products connect, manage, and optimize AV/IT equipment in corporate, government, education, broadcasting and media, and transportation environments.



ATEN Product Portfolio

- ATEN's KVM Solutions for IT infrastructure access and management offer integrated KVM connectivity and control capabilities for customers to facilitate the effective management of IT infrastructures from anywhere in the world.
- ATEN's Professional AV Solutions leverage our enhanced video and control capabilities and offer signal management and system control components to build a multitude of flexible integrated solutions for all professional audio/video-related applications.
- ATEN's USB Peripheral products invite you to experience the very latest standards in USB connectivity, mobility, and speed while embracing the next generation of 4K-enabled workstation solutions.
- ATEN's Power Distribution & Rack solutions offer sensor-enabled, energy-saving hardware and software for data centers that provide real-time energy management and performance indicators.



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Company Profile



- Corporate Headquarters
- Subsidiaries and Regional Offices
- R&D Centers
- Manufacturing Facilities

Our Services for You

We help you satisfy all your customers' needs and grow your business.



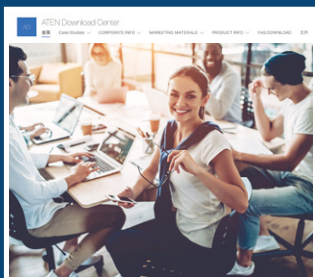
Global Sales and Service Network

ATEN has a global network of sales and engineering professionals to provide our customers with fast, efficient, and comprehensive service. Our distribution channels and partners extend worldwide to more than 100 countries.



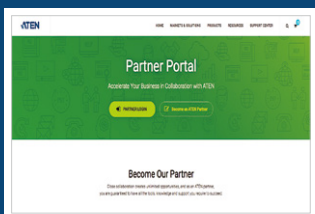
ATEN eNews

ATEN eNews is a monthly publication featuring the latest ATEN product developments, marketing and promotional resources, and corporate activities. Registered partners receive a monthly newsletter to stay up-to-date with ATEN's latest product news and events.



ATEN Download Center

As an ATEN partner, you are guaranteed to have all the tools, knowledge, and support you require to succeed. Authorized partners can access our intuitive information sharing platform to get the latest marketing materials, sales tools, technical documents, product certifications, and more. ATEN also provides integrated marketing programs and promotions to assist partners in promoting ATEN products and services.



ATEN Partner Portal

The ATEN Partner Portal is a web portal that is dedicated to Solution Partners, Channel Partners, and DMR Partners, and provides several ATEN online services, including technical support, product registration, and a wide range of unique partner services.



ATEN Power Distribution & Rack Solutions

At ATEN, we are committed to offering smart energy solutions for data centers. Power Distribution & Rack Solutions have been developed to support ISO50001 and take intelligent power to the next level by providing real-time energy management, control and energy-saving efficiency, allowing you to easily upgrade IT resources quickly and cost effectively. With a wide range of intelligent eco PDUs and basic PDUs, plus uninterruptible power supplies (UPS) and standing network racks, ATEN's Energy Intelligence Solutions have been adopted in various industries all over the world, including Education, Government, Transportation, Enterprise and Medium-sized Businesses.

Featured Advantages of ATEN Energy Solutions

- **Remote Power Outlet Control**

ATEN eco PDUs allow administrators to remotely control the power of any server in a data center via network protocols including TCP/IP, UDP, HTTP, HTTPS, SSL, SMTP, DHCP, NTP, DNS, auto sense, Ping and Telnet. Administrators can remotely access any individual outlet and outlet groups to manage power (On/Off, Power Cycle) through an easy-to-use web interface.

- **Real-Time Monitoring**

With ATEN's eco DC Energy Management Software, administrators can remotely monitor the current, voltage, kWh, power consumption and circuit breaker status of all connected devices in real-time. In addition, the software can track the temperature and humidity via sensors connected to the PDU and provide comprehensive reports.

- **Proactive Overload Protection (POP)**

ATEN's exclusive POP feature on PE6 / PE8 automatically powers off outlets in the event of a current overload to protect the other connected devices from being shut down unexpectedly.

- **Power Analysis Reports**

ATEN's eco DC software provides power analysis for optimizing data center energy management – with reports that include power usage, power load, power cost, CO2 cost, power capacity and trends. Following suggestions generated by the software allows you to optimize energy usage and save energy without harming IT reliability.

- **Advanced Hardware Design**

ATEN offers a wide range of 0U and 1U PDU solutions with advanced hardware designs. In addition to standard and low profile designs, a thin form factor design is available for saving more space in the rack to increase airflow, cooling efficiency and easier maintenance.



- **Professional Online UPS**

The ATEN Professional Online UPS is an innovative power protection solution for equipment that regulates power fluctuations by providing emergency power to a load when the input source or mains power fails. While similar to a standby or line-interactive UPS, the ATEN Professional Online UPS provides a much greater current AC-to-DC battery-charger/rectifier, and its rectifier and inverter have been designed to run continuously with improved cooling systems.

- **Quality Assured Warranty**

Up to a 3-year complimentary warranty on ATEN 3 Phase PDU purchases, besting our competitors.

- **Future-Proof Energy Saving**

Power distribution with ATEN 3 Phase PDUs will remain functional and uninterrupted even when a failure occurs, enabling superior uptime to optimize system reliability.

- **Expandable Installation**

By cascading a single network connection across up to 64 units of ATEN 3 Phase PDUs, deployment of networked power distribution is simplified in a cost-saving and space-efficient setup.

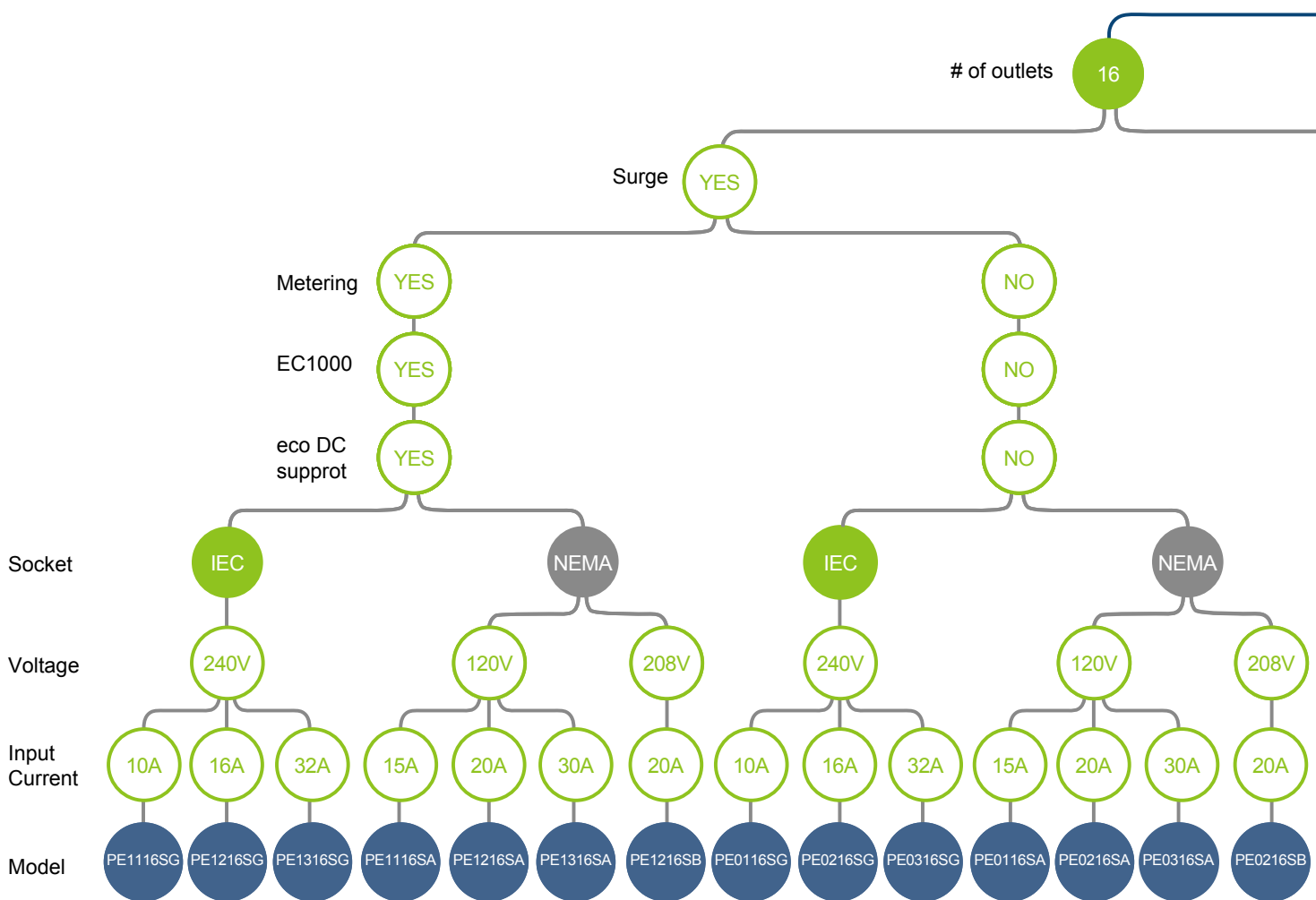
- **Over-current Protection**

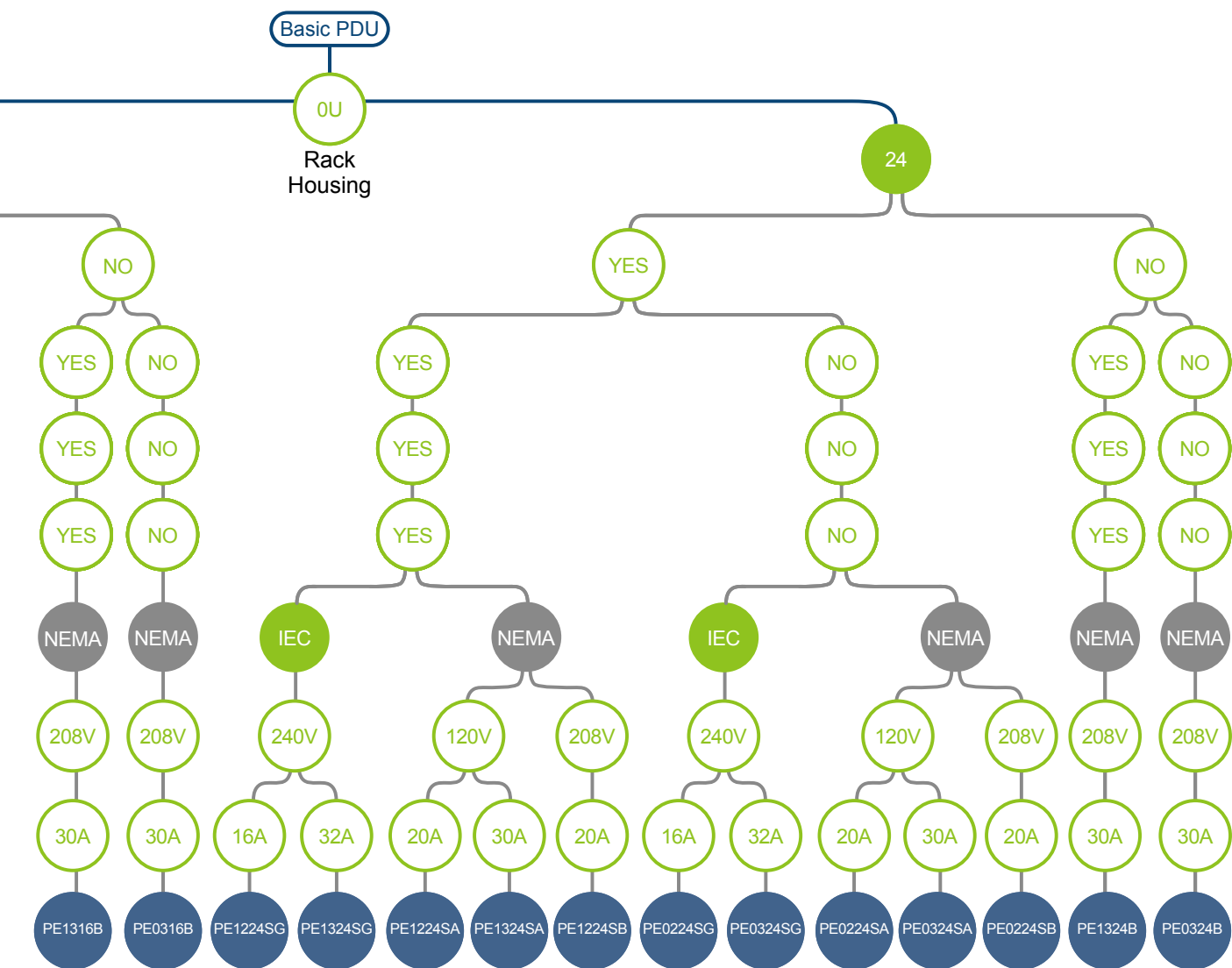
ATEN PDUs are equipped with a circuit breaker that automatically switches off the electricity supply to protect connected devices from becoming overloaded or damaged.

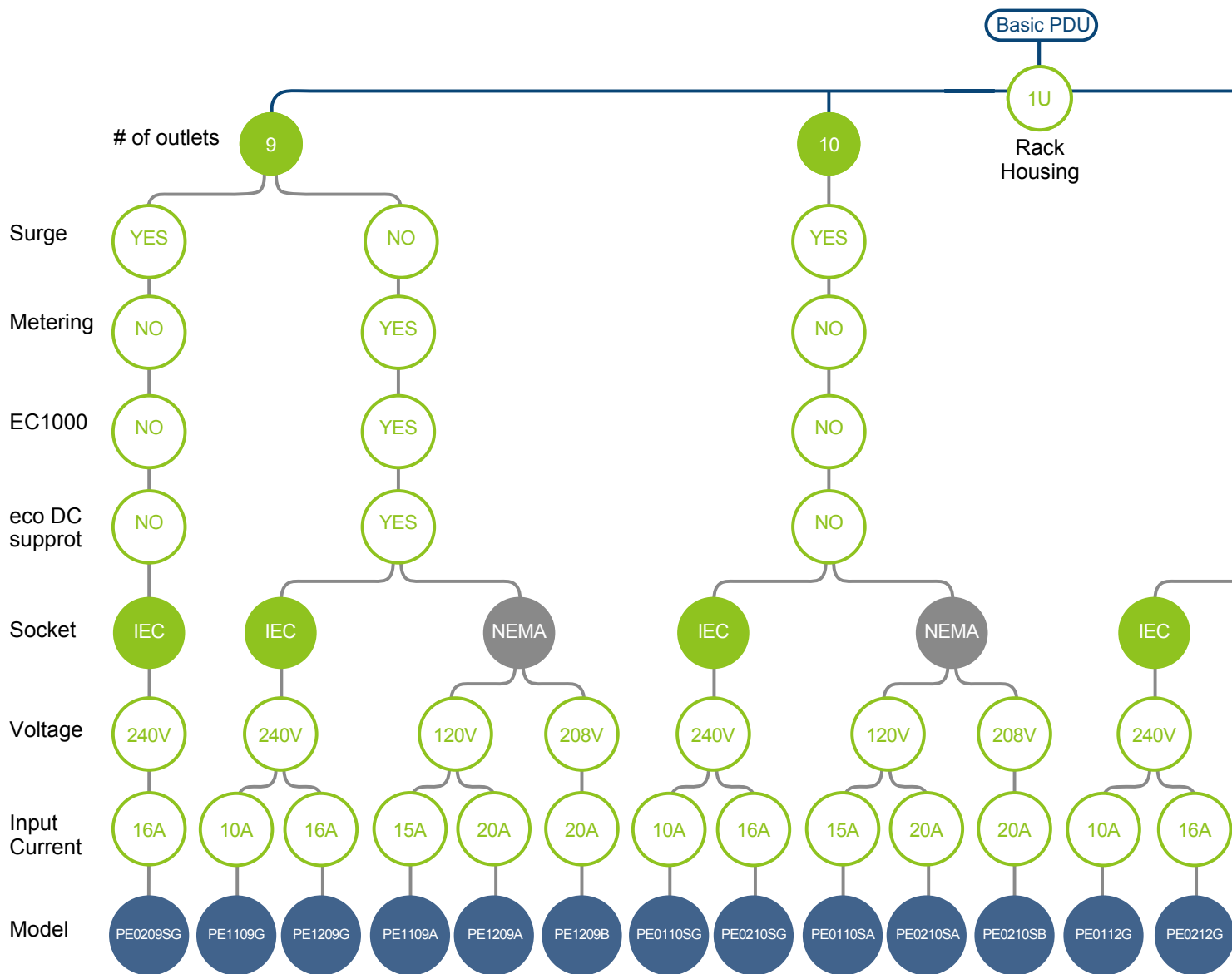


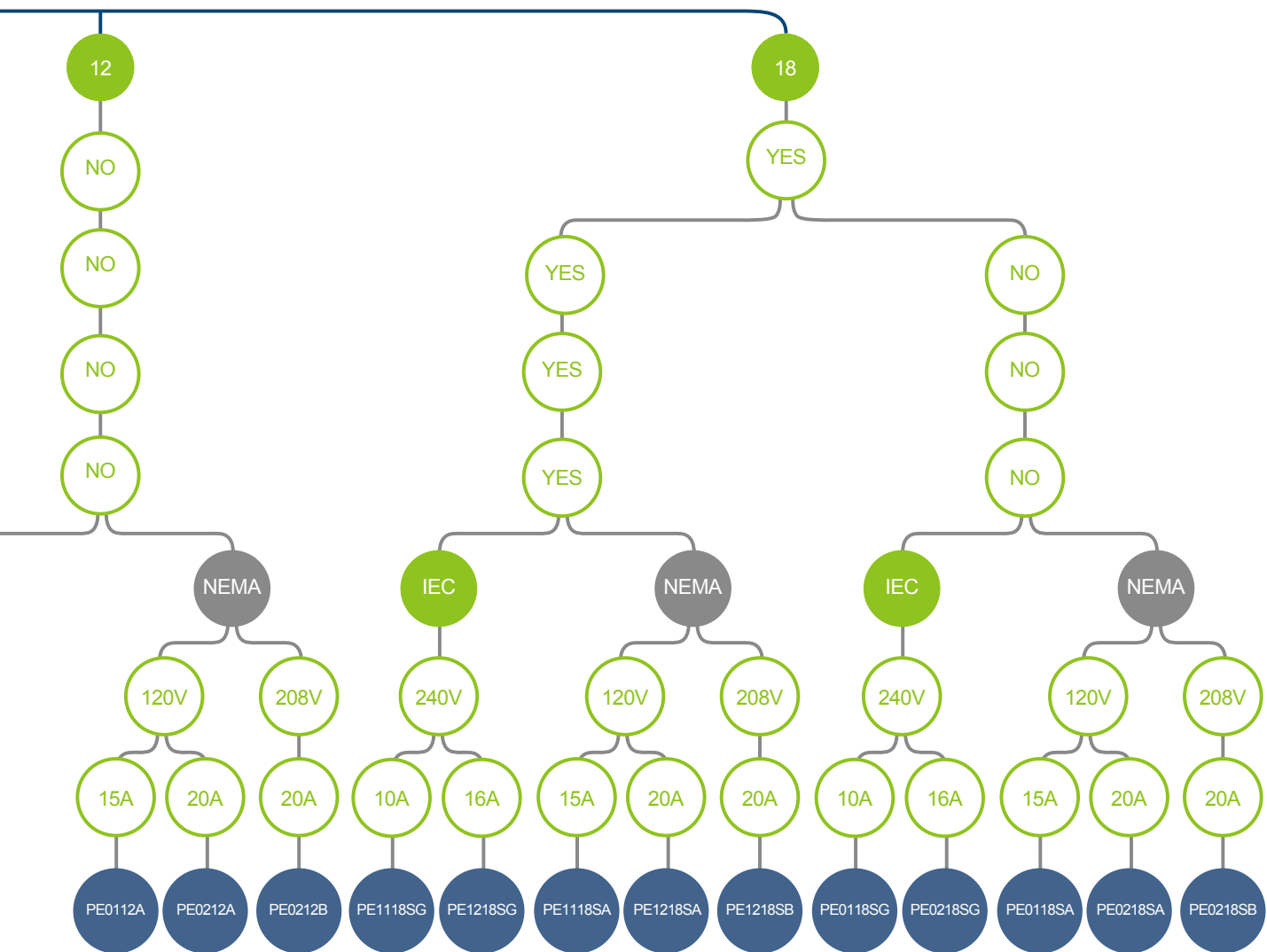
Quick-View Selection Tree for Basic PDUs

Select the model you need using the features and specifications in the selection tree below.





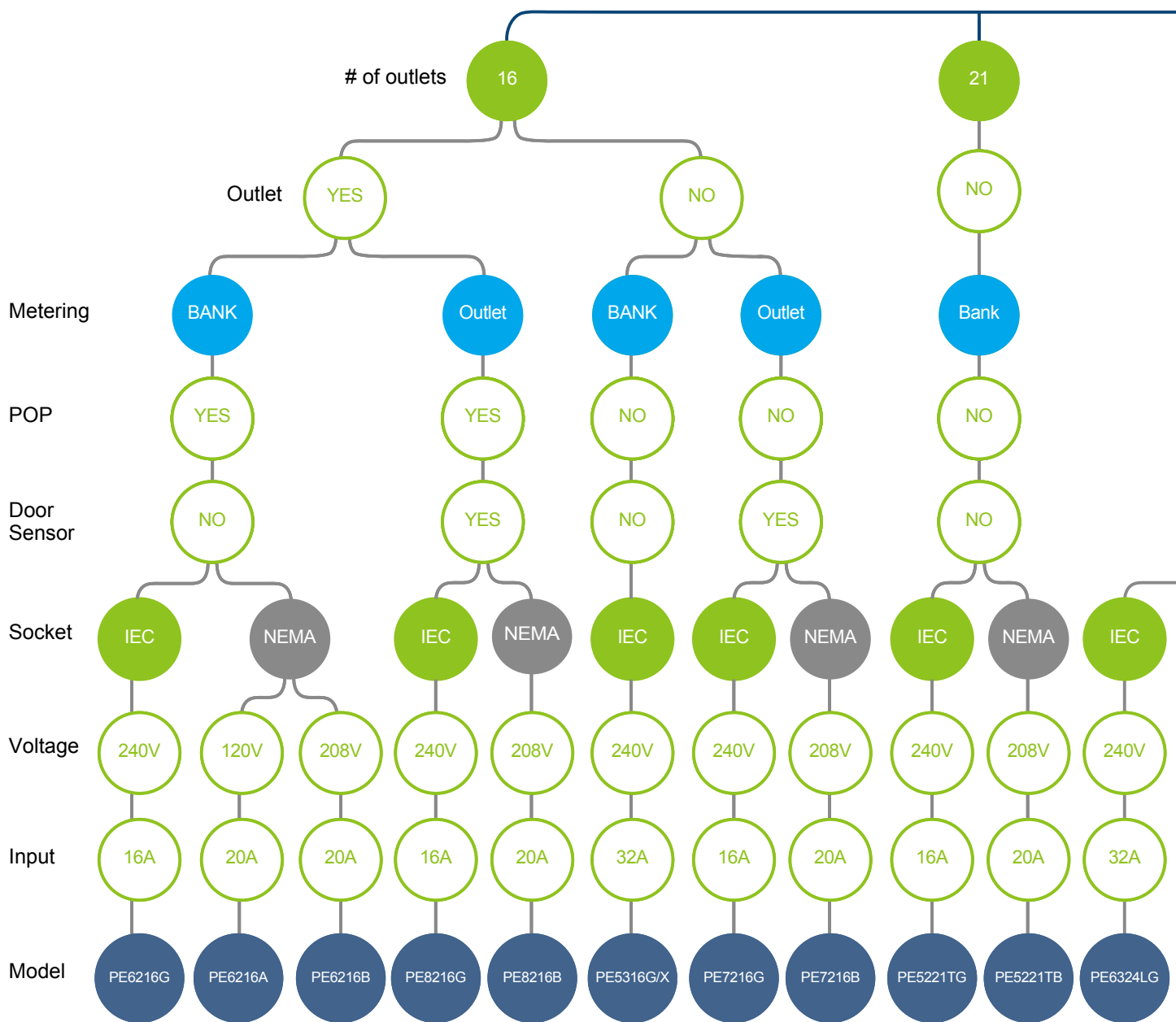


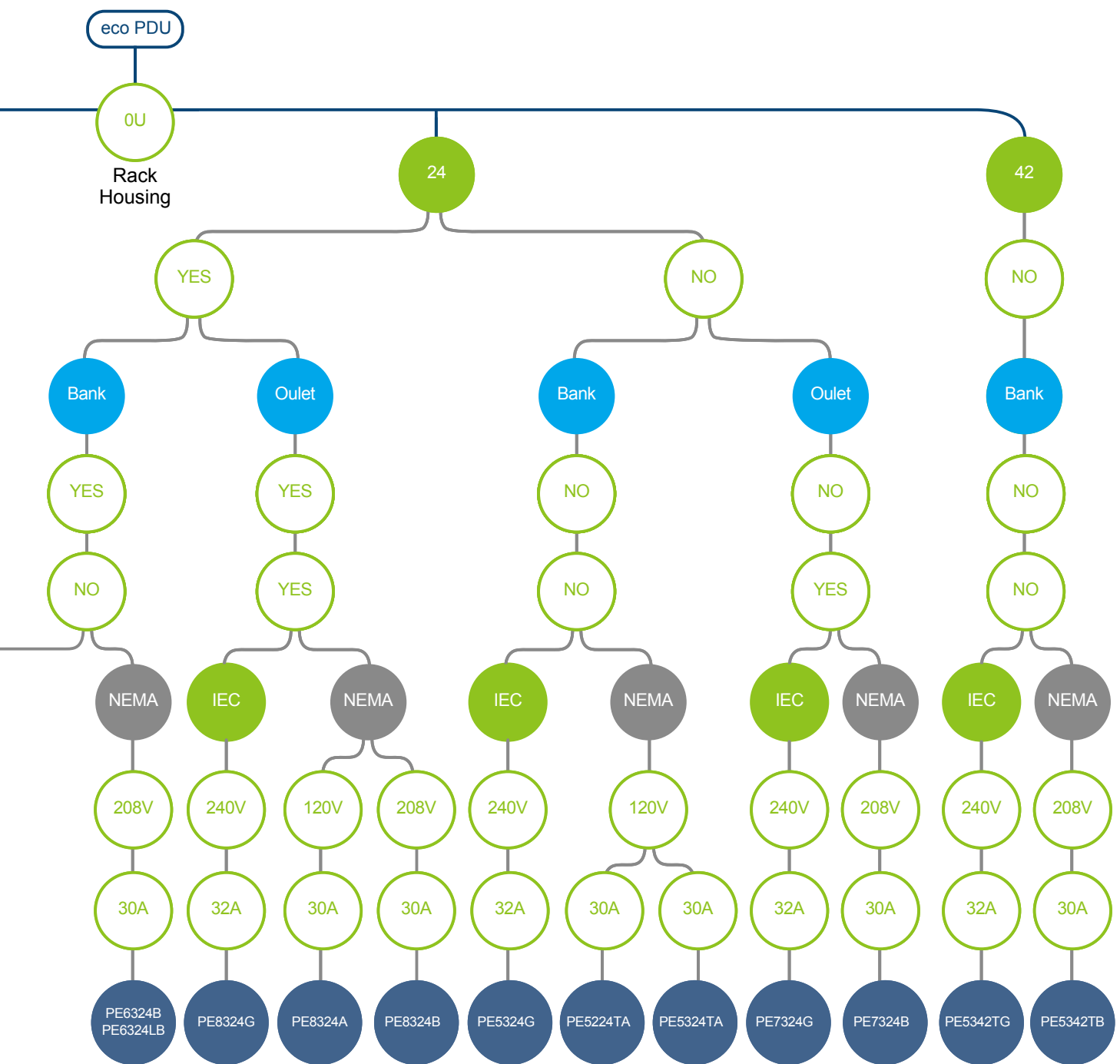


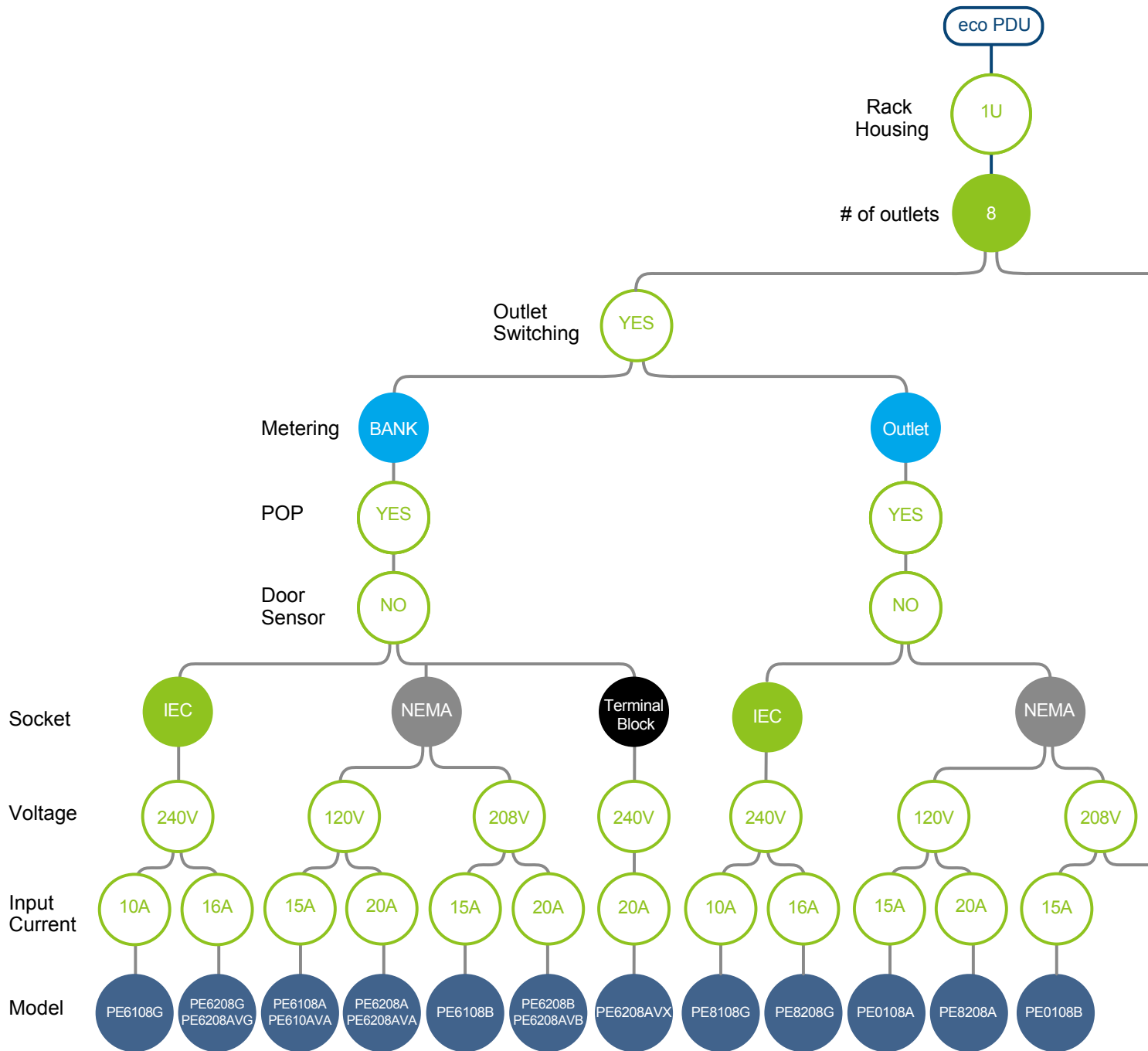


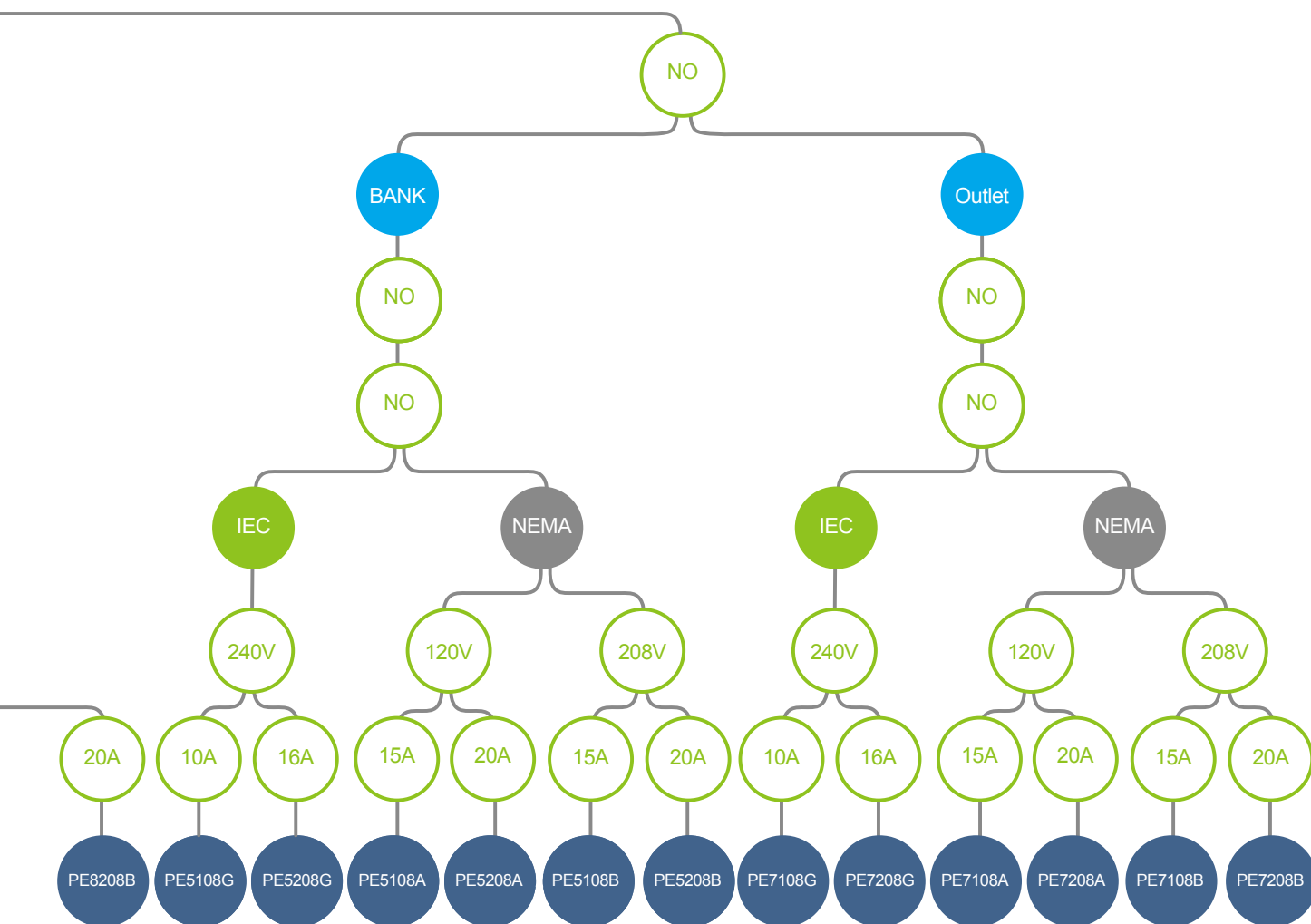
Quick-View Selection Tree for eco PDUs

Select the model you need using the features and specifications in the selection tree below.











ATEN's Exclusive POP Provides the Most Secure and Reliable Power Distribution

ATEN's Proactive Overload Protection (POP) empowers users to prioritize their data center's power distribution. When the current overloads, POP will automatically power off outlets to protect IT servers from shutting down unexpectedly. There are 2 POP options available for selection - LIFO Mode and Priority Mode.

LIFO Mode :

The last powered on outlet will automatically power off.



POP Settings

- Enable POP LIFO Mode
- Enable POP Priority Mode

Priority Mode :

Outlets will power off following a pre-defined order. Administrators can set the shutdown priority of each outlet via a web browser.

Bank 1 Priority Mode		Bank 2 Priority Mode	
Priority 1	Outlet 9	Priority 1	Outlet 18
Priority 2	Outlet 14	Priority 2	Outlet 22
Priority 3	Outlet 12	Priority 3	Outlet 19
Priority 4	Outlet 11	Priority 4	Outlet 21
Priority 5	Outlet 16	Priority 5	Outlet 20
Priority 6	Outlet 13	Priority 6	Outlet 23
Priority 7	Outlet 10	Priority 7	Outlet 17
Priority 8	Outlet 15	Priority 8	Outlet 24

When a power overloading condition is detected...

With POP Protection

ATEN POP PDU
(PE6 / PE8 Series)

Without POP Protection

Other PDUs

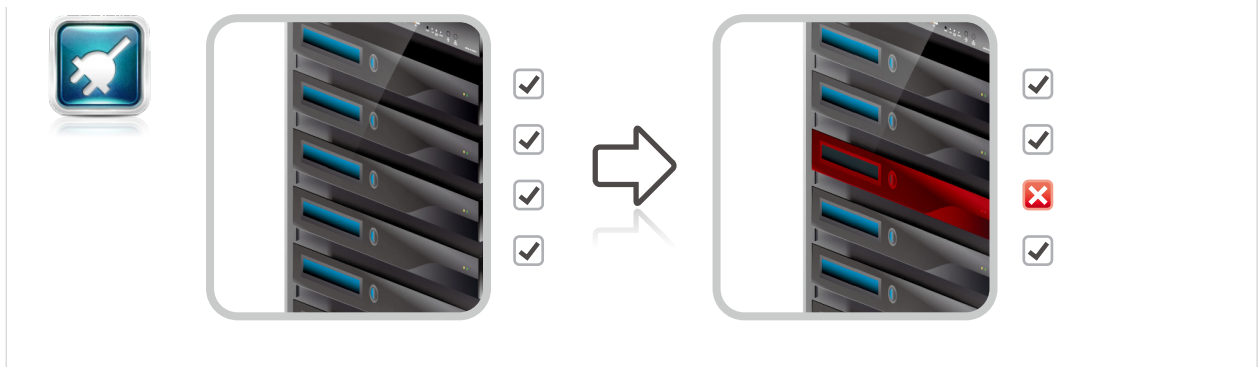
Without ATEN's POP, PDUs will cut off the entire circuit when the power is overloaded, resulting in a sudden shut down of all equipment – which can include lighting, air conditioning and servers.

Note: ATEN's PE8 series supports full POP functionality, while the PE6 series only provides Priority Mode.



How can POP protect your IT equipment?

Scenario : Power Consumption Suddenly Rises and Causes Power Overload



Setting A

- Enable POP LIFO Mode
- Enable POP Priority Mode

The POP feature will automatically cut off the power to the newly inserted server (LIFO Mode), and then switch off servers according to a preselected order (Priority Mode). This ensures other servers continue to work safely and are uninterrupted.



Setting B

- Enable POP LIFO Mode
- Enable POP Priority Mode

The POP feature will instantly cut off power to servers according to the user's predefined order.



Setting C

- Enable POP LIFO Mode
- Enable POP Priority Mode

The POP feature will automatically cut off the newly inserted server, this ensures the whole PDU won't shutdown and critical servers are protected. And if there is not any newly inserted server, then POP will only trip the alarm but won't shut down any outlet.

Scan here to view a video demonstrating ATEN's Energy Intelligence PDUs & exclusive POP feature.





Rack PDU



Category	Outlet-Metered-Switched	Outlet-Metered	Switched
Feature	<ul style="list-style-type: none"> • 0U and 1U • Bank & outlet level power status measurement • Outlet switching • Safe shut-down support • Power-On sequencing • Remote power control via TCP/IP and built-in Ethernet port or by individual outlets/outlet groups • Environment monitoring • Proactive Overload Protection (POP) • Lok-U-Plug & EZ-Lok 	<ul style="list-style-type: none"> • 0U / 1U • Bank/outlet level power metering and monitoring • Environment monitoring • Lok-U-Plug & EZ-Lok 	<ul style="list-style-type: none"> • 0U / 1U • Outlet switch control • Bank level power metering • Safe shut-down support • Power-On sequencing • Remote power control via TCP/IP and built-in Ethernet port or by individual outlets/outlet groups • Proactive Overload Protection (POP) • Environment monitoring • Lok-U-Plug & EZ-Lok
MODEL	PE8216 PE8324 PE8108 PE8208	PE7108 PE7208 PE7216 PE7324	PE6108AV PE6324L PE6108 PE6208 PE6216 PE6324 PE6208AV

Note: Features may vary upon different models.



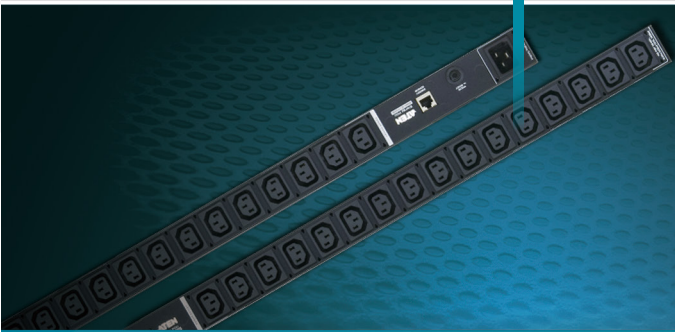
Category	Metered	Basic Metered	Basic
Feature	<ul style="list-style-type: none"> • 0U / 1U • Bank level power status measurement • Lok-U-Plug & EZ-Lok • Remote real-time power measurement and monitoring • Remote power control via TCP/IP and built-in Ethernet port • Environment monitoring 	<ul style="list-style-type: none"> • 0U / 1U • Bank level power metering • Real-time PDU current monitoring when used in conjunction with EC 1000 Energy Box • Over Current Protection 	<ul style="list-style-type: none"> • Entry-level 0U / 1U / 1U-extended • Surge protection* • Over current protection <p><small>*This feature is only available with model numbers that end with an S (ex. PE0201S).</small></p>
MODEL	PE5224T PE5221T PE5324T PE5342T PE5108 PE5208 PE5316 PE5324	PE1216S PE1324S PE1116S PE1224S PE1316S PE1316B PE1324B PE1118S PE1218S PE1109 PE1209	PE0210S PE0209S PE0110S PE0212 PE0112 PE0118S PE0218S PE0116S PE0216S PE0224S PE0316S PE0324S PE0316B PE0324B

Note: Features may vary upon different models.

Basic PDU

Basic 0U Rack PDU

PE0112 / PE0212 / PE0110S / PE0209S / PE0210S / PE0118S / PE0218S
 PE0116S / PE0216S / PE0224S / PE0316S / PE0324S / PE0316B
 PE0324B / PE1116S / PE1216S / PE1224S / PE1316S / PE1324S
 PE1316B / PE1324B / PE1118S / PE1218S / PE1109 / PE1209



PE1116S / PE1216S / PE1224S
 PE1316S / PE1324S
 PE1316B / PE1324B
 • 0U Metered PDU
 • 16 / 24 Outlets

PE0116S / PE0216S / PE0224S
 PE0316S / PE0324S
 PE0316B / PE0324B
 • 0U Basic PDU
 • 16 / 24 Outlets

PE1118S / PE1218S / PE1109
 PE1209
 • 1U Metered PDU
 • 09 / 18 Outlets

PE0112 / PE0212 / PE0110S / PE0210S
 PE0118S / PE0218S / PE0209S
 • 1U Basic PDU
 • 9 / 10 / 12 / 18 Outlet

The Basic PDU series contains 9/10/12/16/18/24 AC outlets and models are available in IEC or NEMA socket configurations. A 3-digit 7-segment meter is available on Metered PDU models to display input voltage and output current readings. The series provides a wide variety of entry-level choices with/without surge/metering functions. The Basic PDU series features a space-saving 0U/1U design to allow vertical rack-mounting outside of the rack, for a more efficient use of server room space

0U Basic PDU

IEC System

Model	Input Voltage	(Max) AMP	Input Plug	Outlets Control	Surge	Metering
PE0116SG	100-240V	10A	IEC-320 C14	16 x IEC 320 C13	Yes	None
PE0216SG	100-240V	16A	IEC-320 C20	16 x IEC 320 C13	Yes	None
PE0224SG	100-240V	16A	IEC-320 C20	22 x IEC 320 C13, 2 x IEC 320 C19	Yes	None
PE0316SG	100-240V	32A	IEC 309 32A 2P+E	16 x IEC 320 C13	Yes	None
PE0324SG	100-240V	32A	IEC 309 32A 2P+E	22 x IEC 320 C13, 2 x IEC 320 C19	Yes	None

NEMA System

Model	Input Voltage	(Max) AMP	Input Plug	Outlets Control	Surge	Metering
PE0116SA	100-120V	15A	NEMA 5-15P	16 x NEMA 5-15R	Yes	None
PE0216SA	100-120V	20A	For A Plug: NEMA L5-20P For A2 Plug: NEMA 5-20P	16 x NEMA 5-20R	Yes	None
PE0216SB	100-240V	20A	NEMA L6-20P	16 x IEC 320 C13	Yes	None
PE0224SA	100-120V	20A	For A Plug: NEMA L5-20P For A2 Plug: NEMA 5-20P	24 x NEMA 5-20R	Yes	None
PE0224SB	100-240V	20A	NEMA L6-20P	22 x IEC 320 C13, 2 x IEC 320 C19	Yes	None
PE0316SA	100-120V	30A	NEMA L5-30P	16 x NEMA 5-20R	Yes	None
PE0324SA	100-120V	30A	NEMA L5-30P	24 x NEMA 5-20R	Yes	None
PE0316B	100-240V	30A	NEMA L6-30P	16 x IEC 320 C13	None	None
PE0324B	100-240V	30A	NEMA L6-30P	22 x IEC 320 C13 2 x IEC 320 C19	None	None

1U Basic PDU

IEC System

Model	Input Voltage	(Max) AMP	Input Plug	Outlets Control	Surge	Metering
PE0110SG	100-240V	10A	For G Plug: IEC-320 C14 For Z Plug: Chinese 10A	10 x IEC 320 C13	Yes	None
PE0112G	100-240V	10A	IEC-320 C14	12 x IEC 320 C13	None	None
PE0118SG	100-240V	10A	IEC-320 C14	18 x IEC 320 C13	Yes	None
PE0209SG	100-240V	16A	For G Plug: IEC-320 C20 For Z Plug: Chinese 16A	8 x IEC 320 C13, 1 x IEC 320 C19	Yes	None
PE0210SG	100-240V	16A	For G Plug: IEC-320 C20 For Z Plug: Chinese 16A	10 x IEC 320 C13	Yes	None
PE0212G	100-240V	16A	IEC-320 C20	12 x IEC 320 C13	None	None
PE0218SG	100-240V	16A	IEC-320 C20	17 x IEC 320 C13, 1 x IEC 320 C19	Yes	None

NEMA System

Model	Input Voltage	(Max) AMP	Input Plug	Outlets Control	Surge	Metering
PE0110SA	100-120V	15A	NEMA 5-15P	10 x NEMA 5-15R	Yes	None
PE0112A	100-120V	15A	NEMA 5-15P	12 x NEMA 5-15R	None	None
PE0118SA	100-120V	15A	NEMA 5-15P	18 x NEMA 5-15R	Yes	None
PE0210SA	100-120V	20A	For A Plug: NEMA L5-20P For A2 Plug: NEMA 5-20P	10 x NEMA 5-20R	Yes	None
PE0210SB	100-240V	20A	NEMA L6-20P	10 x IEC 320 C13	Yes	None
PE0212A	100-120V	20A	For A Plug: NEMA L5-20P For A2 Plug: NEMA 5-20P	12 x NEMA 5-20R	None	None
PE0212B	100-240V	20A	NEMA L6-20P	12 x IEC 320 C13	None	None
PE0218SA	100-120V	20A	For A Plug: NEMA L5-20P For A2 Plug: NEMA 5-20P	18 x NEMA 5-20R	Yes	None
PE0218SB	100-240V	20A	NEMA L6-20P	18 x IEC 320 C13	Yes	None

0U Basic Metered PDU

IEC System

Model	Input Voltage	(Max) AMP	Input Plug	Outlets Control	Surge	Metering
PE1116SG	100-240V	10A	IEC-320 C14	16 x IEC 320 C13	Yes	Yes
PE1216SG	100-240V	16A	IEC-320 C20	16 x IEC 320 C13	Yes	Yes
PE1224SG	100-240V	16A	IEC-320 C20	22 x IEC 320 C13, 2 x IEC 320 C19	Yes	Yes
PE1316SG	100-240V	32A	IEC 60309 32A	16 x IEC 320 C13	Yes	Yes
PE1324SG	100-240V	32A	IEC 60309 32A	24 x IEC 320 C13	Yes	Yes

NEMA System

Model	Input Voltage	(Max) AMP	Input Plug	Outlets Control	Surge	Metering
PE1116SA	100-120V	15A	NEMA 5-15P	16 x NEMA 5-15R	Yes	Yes
PE1216SA	100-120V	20A	For A Plug: NEMA L5-20P; For A2 Plug: NEMA 5-20P	16 x NEMA 5-20R	Yes	Yes
PE1216SB	100-240V	20A	NEMA L6-20P	16 x IEC 320 C13	Yes	Yes
PE1224SA	100-120V	20A	For A Plug: NEMA L5-20P For A2 Plug: NEMA 5-20P	24 x NEMA 5-20R	Yes	Yes
PE1224SB	100-240V	20A	NEMA L6-20P	22 x IEC 320 C13, 2 x IEC 320 C19	Yes	Yes
PE1316SA	100-120V	30A	NEMA L5-30P	16 x NEMA 5-20R	Yes	Yes
PE1324SA	100-120V	30A	NEMA L5-30P	24 x NEMA 5-20R	Yes	Yes
PE1324B	100-240V	30A	NEMA L6-30P	22 x IEC 320 C13, 2 x IEC 320 C19	None	Yes
PE1316B	100-240V	30A	NEMA L6-30P	16 x IEC 320 C13	None	Yes

1U Basic Metered PDU

IEC System

Model	Input Voltage	(Max) AMP	Input Plug	Outlets Control	Surge	Metering
PE1118SG	100-240 VAC	10A	IEC-320 C14	18 x IEC 320 C13	Yes	Yes
PE1218SG	100-240 VAC	16A	IEC-320 C20	18 x IEC 320 C13	Yes	Yes
PE1109G	100-240 VAC	10A	IEC-320 C14	9 x IEC 320 C13	None	Yes
PE1209G	100-240 VAC	16A	IEC-320 C20	9 x IEC 320 C13	None	Yes

NEMA System

Model	Input Voltage	(Max) AMP	Input Plug	Outlets Control	Surge	Metering
PE1118SA	100-120 VAC	15A	NEMA 5-15P	18 x NEMA 5-15R	Yes	Yes
PE1218SA	100-120 VAC	20A	For A plug: NEMA L5-20P For A2 plug: NEMA 5-20P	18 x NEMA 5-20R	Yes	Yes
PE1218SB	100-240 VAC	20A	NEMA L6-20P	18 x IEC 320 C13	Yes	Yes
PE1109A	100-120 VAC	15A	NEMA 5-15P	9 x NEMA 5-15R	None	Yes
PE1209A	100-120 VAC	20A	For A plug: NEMA L5-20P For A2 plug: NEMA 5-20P	9 x NEMA 5-20R	None	Yes
PE1209B	100-240 VAC	20A	NEMA L6-20P	9 x IEC 320 C13	None	Yes

Specification > PE0112

	PE0112A	PE0112G
Electrical		
Nominal Input Voltage	100 – 120 VAC	100 – 240 VAC
Maximum Input Current	15A(Max);12A(UL de-rated);10A(PSE)	10A(Max)
Input Frequency	50 – 60 Hz	
Input Connection	NEMA 5-15P	IEC-320 C14
Input Power	1800VA(Max);1440 VA(UL de-rated)	2400VA(Max)
Outlet Type	(12) NEMA 5-15R	(12) IEC 320 C13
Maximum Output Current (Outlet)	15A(Max);12A(UL de-rated);10A(PSE)	10A(Max)
Maximum Output Current (Bank)	15A(Max);12A(UL de-rated);10A(PSE)	10A(Max)
Maximum Output Current (Total)	15A(Max);12A(UL de-rated);10A(PSE)	10A(Max)
OPD (Over current Protection Device)	Yes	
Physical Properties		
Dimensions (L x W x H)	48.80 x 4.40 x 4.50 cm (19.21 x 1.73 x 1.77 in.)	
Weight	0.62 kg (1.37 lb)	
Power Cord Length	10ft (14#)	10ft (3x1.0mm ²)
Environmental		
Temperature (Operating / Storage)	0 – 40°C* / -20 – 60°C	
Elevation	3000 m	
Compliance		
EMC Verification	FCC Class A	CE
Safety Verification	By Request	CE, LVD

Specification > PE0212

	PE0212A	PE0212B	PE0212G
Electrical			
Nominal Input Voltage	100 – 120 VAC	100 – 240 VAC	100 – 240 VAC
Maximum Input Current	20A(Max); 16A(UL de-rated)	20A(Max); 16A(UL de-rated)	16A(Max)
Input Frequency	50 – 60 Hz		
Input Connection	For A Plug NEMA L5-20P For A2 Plug : NEMA 5-20P	NEMA L6-20P	IEC-320 C20
Input Power	2400VA(Max); 1920VA(UL de-rated)	4800VA(Max); 3840VA(UL de-rated)	3840VA(Max)
Outlet Type	(12) NEMA 5-20R	(12) IEC 320 C13	(12) IEC 320 C13
Maximum Output Current (Outlet)	20A(Max); 16A(UL de-rated)	15A(Max); 12A(UL de-rated)	10A(Max)
Maximum Output Current (Bank)	20A(Max); 16A(UL de-rated)	20A(Max); 16A(UL de-rated)	16A(Max)
Maximum Output Current (Total)	20A(Max); 16A(UL de-rated)	20A(Max); 16A(UL de-rated)	16A(Max)
OPD (Over current Protection Device)	Yes		
Physical Properties			
Dimensions (L x W x H)	48.80 x 4.40 x 4.50 cm (19.21 x 1.73 x 1.77 in.)		
Weight	0.88 kg (1.95 lb)		
Power Cord Length	10ft (12#)	10ft (12#)	10ft (3x1.5mm ²)
Environmental			
Temperature (Operating / Storage)	0 – 40°C* / -20 – 60°C		
Elevation	3000 m		
Compliance			
EMC Verification	FCC Class A	FCC Class A	CE
Safety Verification	By Request	By Request	CE, LVD

*When the environmental temperature comes close to 40 degrees, it is recommended to lower the load to 60% to comply to the safety regulations.

Specification > PE0110S

	PE0110SA	PE0110SG
Electrical		
Nominal Input Voltage	100 – 120 VAC	100 – 240 VAC
Maximum Input Current	15A(Max);12A(UL de-rated);10A(PSE)	10A(Max)
Input Frequency	50 – 60 Hz	
Input Connection	NEMA 5-15P	For G Plug : IEC-320 C14 For Z Plug : Chinese 10A
Input Power	1800VA(Max);1440VA(UL de-rated)	2400VA(Max)
Outlet Type	(10) NEMA 5-15R	(10) IEC 320 C13
Maximum Output Current (Outlet)	15A(Max);12A(UL de-rated);10A(PSE)	10A(Max)
Maximum Output Current (Bank)	15A(Max);12A(UL de-rated);10A(PSE)	10A(Max)
Maximum Output Current (Total)	15A(Max);12A(UL de-rated);10A(PSE)	10A(Max)
OPD (Over current Protection Device)	Yes	
Physical Properties		
Dimensions (L x W x H)	48.20 x 4.44 x 4.50 cm (18.98 x 1.75 x 1.77 in.)	
Weight	0.66 kg (1.45 lb)	
Power Cord Length	10ft(14#)	10ft(3x1.5mm ²)
Environmental		
Temperature (Operating / Storage)	0 – 40°C* / -20 – 60°C	
Elevation	3000 m	
Compliance		
EMC Verification	FCC Class A	CE
Safety Verification	By Request	CE, LVD

Specification > PE0209S

Function	PE0209SG
Electrical	
Nominal Input Voltage	100 – 240 VAC
Maximum Input Current	16A(Max)
Input Frequency	50 – 60 Hz
Input Connection	For G Plug: IEC-320 C20 For Z Plug: Chinese 16A
Input Power	3680VA(Max)
Outlet Type	(8)IEC C13+(1)IEC C19
Maximum Output Current (Outlet)	IEC C13: 10A(Max) IEC C19: 16A(Max)
Maximum Output Current (Bank)	16A(Max)
Maximum Output Current (Total)	16A(Max)
OPD (Over current Protection Device)	Yes
Physical Properties	
Dimensions (L x W x H)	48.20 x 4.44 x 4.50 cm (18.98 x 1.75 x 1.77 in.)
Weight	0.67 kg (1.48 lb)
Power Cord Length	10ft (3x2.5mm ²)
Environmental	
Temperature (Operating / Storage)	0 – 40°C* / -20 – 60°C
Elevation	3000 m
Compliance	
EMC Verification	CE
Safety Verification	CE, LVD

*When the environmental temperature comes close to 40 degrees, it is recommended to lower the load to 60% to comply to the safety regulations.

Specification > PE0210S

Function	PE0210SA	PE0210SB	PE0210SG
Electrical			
Nominal Input Voltage	100 – 120 VAC	100 – 240 VAC	100 – 240 VAC
Maximum Input Current	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)
Input Frequency	50 – 60 Hz		
Input Connection	For A Plug: NEMA L5-20P For A2 Plug:NEMA 5-20P	NEMA L6-20P	For G Plug: IEC-320 C20 For Z Plug: Chinese 16A
Input Power	2400VA(Max); 1920VA(UL de-rated)	4800VA(Max); 3840VA(UL de-rated)	3840VA(Max)
Outlet Type	(10) NEMA 5-20R	(10) IEC 320 C13	(10) IEC 320 C13
Maximum Output Current (Outlet)	20A(Max);16A(UL de-rated)	15A(Max);12A(UL de-rated)	10A(Max)
Maximum Output Current (Bank)	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)
Maximum Output Current (Total)	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)
OPD (Over current Protection Device)	Yes		
Physical Properties			
Dimensions (L x W x H)	48.20 x 4.44 x 4.50 cm (18.98 x 1.75 x 1.77 in.)		
Weight	0.67 kg (1.48 lb)		
Power Cord Length	10ft (12#)	10ft (12#)	10ft (3*2.5mm ²)
Environmental			
Temperature (Operating / Storage)	0 – 40°C* / -20 – 60°C		
Elevation	3000 m		
Compliance			
EMC Verification	FCC Class A	FCC Class A	CE
Safety Verification	By Request	By Request	CE,LVD

Specification > PE0118S

	PE0118SA	PE0118SG
Electrical		
Nominal Input Voltage	100 – 120 VAC	100 – 240 VAC
Maximum Input Current	15A(Max);12A(UL de-rated);10A(PSE)	10A(Max)
Input Frequency	50 – 60 Hz	
Input Connection	NEMA 5-15P	IEC-320 C14
Input Power	1800VA(Max); 1440VA(UL de-rated)	2400VA(Max)
Outlet Type	(18) NEMA 5-15R	(18) IEC 320 C13
Maximum Output Current (Outlet)	15A(Max);12A(UL de-rated);10A(PSE)	10A(Max)
Maximum Output Current (Bank)	15A(Max);12A(UL de-rated);10A(PSE)	10A(Max)
Maximum Output Current (Total)	15A(Max);12A(UL de-rated);10A(PSE)	10A(Max)
OPD (Over current Protection Device)	Yes	
Physical Properties		
Dimensions (L x W x H)	48.20 x 4.44 x 9.05 cm (18.98 x 1.75 x 3.56 in.)	
Weight	1.22 kg (2.69 lb)	
Power Cord Length	10ft (14#)	10ft (3×1.0mm ²)
Environmental		
Temperature (Operating / Storage)	0 – 40°C* / -20 – 60°C	
Elevation (Operating / Storage)	3000m	
Compliance		
EMC Verification	FCC Class A	CE
Safety Verification	By Request	CE, LVD

*When the environmental temperature comes close to 40 degrees, it is recommended to lower the load to 60% to comply to the safety regulations.

Specification > PE0218S

	PE0218SA	PE0218SB	PE0218SG
Electrical			
Nominal Input Voltage	100 – 120 VAC	100 – 240 VAC	100 – 240 VAC
Maximum Input Current	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)
Input Frequency	50 – 60 Hz		
Input Connection	For A Plug:NEMA L5-20P For A2 Plug:NEMA 5-20P	NEMA L6-20P	IEC-320 C20
Input Power	2400VA(Max); 1920VA(UL de-rated)	4800VA(Max); 3840VA(UL de-rated)	3840VA(Max)
Outlet Type	(18) NEMA 5-20R	(18) IEC 320 C13	(17) IEC 320 C13, (1) IEC 320 C19
Maximum Output Current (Outlet)	20A(Max);16A(UL de-rated)	15A(Max);12A(UL de-rated)	C13:10A(Max) C19:16A(Max)
Maximum Output Current (Bank)	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)
Maximum Output Current (Total)	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)
OPD (Over current Protection Device)	Yes		
Physical Properties			
Dimensions (L x W x H)	48.20 x 4.44 x 9.05 cm (18.98 x 1.75 x 3.56 in.)		
Weight	1.26 kg (2.78 lb)		
Power Cord Length	10ft (12#)	10ft (12#)	10ft (3×1.5mm ²)
Environmental			
Temperature (Operating / Storage)	0 – 40°C* / -20 – 60°C		
Elevation	3000 m		
Compliance			
EMC Verification	FCC Class A	FCC Class A	CE
Safety Verification	By Request	By Request	CE, LVD

*When the environmental temperature comes close to 40 degrees, it is recommended to lower the load to 60% to comply to the safety regulations.

Specification > PE0116S

	PE0116SA	PE0116SG
Electrical		
Nominal Input Voltage	100 – 120 VAC	100 – 240 VAC
Maximum Input Current	15A(Max);12A(UL de-rated);10A(PSE)	10A(Max)
Input Frequency	50 – 60 Hz	
Input Connection	NEMA 5-15P	IEC-320 C14
Input Power	1800VA(Max); 1440VA(UL de-rated)	2400VA(Max)
Outlet Type	(16) NEMA 5-15R	(16) IEC 320 C13
Maximum Output Current (Outlet)	15A(Max);12A(UL de-rated);10A(PSE)	10A(Max)
Maximum Output Current (Bank)	15A(Max);12A(UL de-rated);10A(PSE)	10A(Max)
Maximum Output Current (Total)	15A(Max);12A(UL de-rated);10A(PSE)	10A(Max)
OPD (Over current Protection Device)	Yes	
Physical Properties		
Dimensions (L x W x H)	71.56 x 4.44 x 6.00 cm (28.17 x 1.75 x 2.36 in.)	
Weight	1.10 kg (2.42 lb)	
Power Cord Length	10ft (14#)	10ft (3x1.0mm ²)
Environmental		
Temperature (Operating / Storage)	0 – 40°C* / -20 – 60°C	
Elevation	3000 m	
Compliance		
EMC Verification	FCC Class A	CE
Safety Verification	By Request	CE, LVD

Specification > PE0216S

	PE0216SA	PE0216SB	PE0216SG
Electrical			
Nominal Input Voltage	100 – 120 VAC	100 – 240 VAC	100 – 240 VAC
Maximum Input Current	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)
Input Frequency	50 – 60 Hz		
Input Connection	For A Plug: NEMA L5-20P For A2 Plug: NEMA 5-20P	NEMA L6-20P	IEC-320 C20
Input Power	2400VA(Max); 1920VA(UL de-rated)	4800VA(Max); 3840VA(UL de-rated)	3840VA(Max)
Outlet Type	(16) NEMA 5-20R	(16) IEC 320 C13	(16) IEC 320 C13
Maximum Output Current (Outlet)	20A(Max);16A(UL de-rated)	15A(Max);12A(UL de-rated)	10A(Max)
Maximum Output Current (Bank)	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)
Maximum Output Current (Total)	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)
OPD (Over current Protection Device)	Yes		
Physical Properties			
Dimensions (L x W x H)	71.56 x 4.44 x 6.00 cm (28.17 x 1.75 x 2.36 in.)		
Weight	1.10 kg (2.42 lb)		
Power Cord Length	10ft (12#)	10ft (12#)	10ft (3x1.5mm ²)
Environmental			
Temperature (Operating / Storage)	0 – 40°C* / -20 – 60°C		
Elevation (Operating / Storage)	3000 m		
Compliance			
EMC Verification	FCC Class A	FCC Class A	CE
Safety Verification	By Request	By Request	CE, LVD

*When the environmental temperature comes close to 40 degrees, it is recommended to lower the load to 60% to comply to the safety regulations.

Specification > PE0224S

	PE0224SA	PE0224SB	PE0224SG
Electrical			
Nominal Input Voltage	100 – 120 VAC	100 – 240 VAC	100 – 240 VAC
Maximum Input Current	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)
Input Frequency	50 – 60 Hz		
Input Connection	For A Plug: NEMA L5-20P For A2 Plug: NEMA 5-20P	NEMA L6-20P	IEC-320 C20
Input Power	2400VA(Max); 1920VA(UL de-rated)	4800VA(Max); 3840VA(UL de-rated)	3840VA(Max)
Outlet Type	(24) NEMA 5-20R	(22) IEC 320 C13, (2) IEC 320 C19	(22) IEC 320 C13, (2) IEC 320 C19
Maximum Output Current (Outlet)	20A(Max);16A(UL de-rated)	C19: 20A(Max);16A(UL de-rated) C13: 15A(Max);12A(UL de-rated)	C13: 10A (Max) C19: 16A (Max)
Maximum Output Current (Bank)	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)
Maximum Output Current (Total)	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)
OPD (Over current Protection Device)	Yes		
Physical Properties			
Dimensions (L x W x H)	96.71 x 4.44 x 6.00 cm (38.07 x 1.75 x 2.36 in.)	108.71 x 4.44 x 6.00 cm (42.80 x 1.75 x 2.36 in.)	108.71 x 4.44 x 6.00 cm (42.80 x 1.75 x 2.36 in.)
Weight	1.40 kg (3.08 lb)		
Power Cord Length	10ft (12#)	10ft (12#)	10ft (3x1.5mm ²)
Environmental			
Temperature (Operating / Storage)	0 – 40°C* / -20 – 60°C		
Elevation (Operating / Storage)	3000 m		
Compliance			
EMC Verification	FCC Class A	FCC Class A	CE
Safety Verification	By Request	By Request	CE, LVD

Specification > PE0316S

	PE0316SA	PE0316SG
Electrical		
Nominal Input Voltage	100 – 120 VAC	100 – 240 VAC
Maximum Input Current	30A(Max);24A(UL de-rated)	32A(Max)
Input Frequency	50 – 60 Hz	
Input Connection	NEMA L5-30P	IEC 60309 32A
Input Power	3600VA(Max); 2880VA(UL de-rated)	7680VA(Max)
Outlet Type	(16) NEMA 5-20R	(16) IEC 320 C13
Maximum Output Current (Outlet)	20A(Max);16A(UL de-rated)	10A(Max)
Maximum Output Current (Bank)	20A(Max);16A(UL de-rated)	16A(Max)
Maximum Output Current (Total)	30A(Max);24A(UL de-rated)	32A(Max)
OPD (Over current Protection Device)	Yes	
Physical Properties		
Dimensions (L x W x H)	96.71 x 4.44 x 6.00 cm (38.07 x 1.75 x 2.36 in.)	
Weight	2.10 kg (4.63 lb)	
Power Cord Length	10ft (10#)	
Environmental		
Temperature (Operating / Storage)	0 – 40°C* / -20 – 60°C	
Elevation (Operating / Storage)	3000 m	
Compliance		
EMC Verification	FCC Class A	CE
Safety Verification	By Request	CE, LVD

Specification > PE0324S

	PE0324SA	PE0324SG
Electrical		
Nominal Input Voltage	100 – 120 VAC	100 – 240 VAC
Maximum Input Current	30A(Max);24A(UL de-rated)	32A(Max)
Input Frequency	50 – 60 Hz	
Input Connection	NEMA L5-30P	IEC 60309 32A
Input Power	3600VA(Max); 2880VA(UL de-rated)	7680VA(Max)
Outlet Type	(24) NEMA 5-20R	(22) IEC 320 C13, (2) IEC 320 C19
Maximum Output Current (Outlet)	20A(Max);16A(UL de-rated)	C13:10A(Max) C19:16A(Max)
Maximum Output Current (Bank)	20A(Max);16A(UL de-rated)	16A(Max)
Maximum Output Current (Total)	30A(Max);24A(UL de-rated)	32A(Max)
OPD (Over current Protection Device)	Yes	Yes
Physical Properties		
Dimensions (L x W x H)	120.71 x 4.44 x 6.00 cm (47.52 x 1.75 x 2.36 in.)	132.71 x 4.44 x 6.00 cm (52.25 x 1.75 x 2.36 in.)
Weight	2.40 kg (5.29 lb)	
Power Cord Length	10ft (10#)	10ft (3x4mm ²)
Environmental		
Temperature (Operating / Storage)	0 – 40°C* / -20 – 60°C	
Elevation (Operating / Storage)	3000 m	
Compliance		
EMC Verification	FCC Class A	CE
Safety Verification	By Request	CE, LVD

Specification > PE0316B

	PE0316B
Electrical	
Nominal Input Voltage	100 – 240 VAC
Maximum Input Current	30A(Max);24A(UL de-rated)
Input Frequency	50 – 60 Hz
Input Connection	NEMA L6-30P
Input Power	7200VA(Max); 5760VA(UL de-rated)
Outlet Type	(16) IEC 320 C13
Maximum Output Current (Outlet)	15A(Max);12A(UL de-rated)
Maximum Output Current (Bank)	20A(Max);16A(UL de-rated)
Maximum Output Current (Total)	30A(Max);24A(UL de-rated)
OPD (Over current Protection Device)	Yes
Physical Properties	
Dimensions (L x W x H)	96.71 x 4.44 x 6.0 cm (38.07 x 1.75 x 2.36 in.)
Weight	2.50 kg (5.51 lb)
Power Cord Length	10ft (10#)
Environmental	
Temperature (Operating / Storage)	0 – 40°C* / -20 – 60°C
Elevation (Operating / Storage)	3000m
Compliance	
EMC Verification	FCC Class A
Safety Verification	By Request

*When the environmental temperature comes close to 40 degrees, it is recommended to lower the load to 60% to comply to the safety regulations.

Specification > PE0324B

PE0324B	
Electrical	
Nominal Input Voltage	100 – 240 VAC
Maximum Input Current	30A(Max);24A(UL de-rated)
Input Frequency	50 – 60 Hz
Input Connection	NEMA L6-30P
Input Power	7200VA(Max); 5760VA(UL de-rated)
Outlet Type	(22) IEC 320 C13, (2) IEC 320 C19
Maximum Output Current (Outlet)	C13: 15A(Max); 12A(UL de-rated) C19: 20A(Max); 16A(UL de-rated)
Maximum Output Current (Bank)	20A(Max); 16A(UL de-rated)
Maximum Output Current (Total)	30A(Max); 24A(UL de-rated)
OPD (Over current Protection Device)	Yes
Physical Properties	
Dimensions (L x W x H)	120.71 x 4.44 x 6.0 cm (47.52 x 1.75 x 2.36 in.)
Weight	2.80 kg (6.17 lb)
Power Cord Length	10ft (10#)
Environmental	
Temperature (Operating / Storage)	0 – 40°C* / -20 – 60°C
Elevation (Operating / Storage)	3000m
Compliance	
EMC Verification	FCC Class A
Safety Verification	By Request

*When the environmental temperature comes close to 40 degrees, it is recommended to lower the load to 60% to comply to the safety regulations.

Specification > PE1118S

	PE1118SA	PE1118SG
Electrical		
Nominal Input Voltage	100 – 120 VAC	100 – 240 VAC
Maximum Input Current	15A(Max);12A(UL de-rated);10A(PSE)	10A(Max)
Input Frequency	50 – 60 Hz	50 – 60 Hz
Input Connection	NEMA 5-15P	IEC-320 C14
Input Power	1800VA(Max); 1440VA(UL de-rated)	2400VA(Max)
Outlet Type	(18) NEMA 5-15R	(18) IEC 320 C13
Maximum Output Current (Outlet)	15A(Max);12A(UL de-rated);10A(PSE)	10A(Max)
Maximum Output Current (Bank)	15A(Max);12A(UL de-rated);10A(PSE)	10A(Max)
Maximum Output Current (Total)	15A(Max);12A(UL de-rated);10A(PSE)	10A(Max)
OPD (Over current Protection Device)	Yes	Yes
Physical Properties		
Dimensions (L x W x H)	48.20 x 10.88 x 4.44 cm (18.98 x 4.28 x 1.75 in.)	
Weight	1.40 kg (3.08 lb)	
Power Cord Length	10ft (14#)	10ft (3x1.0mm2)
Environmental		
Temperature (Operating / Storage)	0 – 40°C* / -20 – 60°C	
Elevation (Operating / Storage)	3000m	
Compliance		
EMC Verification	FCC Class A	CE
Safety Verification	By Request	CE, LVD

Specification > PE1218S

Function	PE1218SA	PE1218SB	PE1218SG
Electrical			
Nominal Input Voltage	100 – 120 VAC	100 – 240 VAC	100 – 240 VAC
Maximum Input Current	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)
Input Frequency	50 – 60 Hz		
Input Connection	For A Plug: NEMA L5-20P For A2 Plug: NEMA 5-20P	NEMA L6-20P	IEC-320 C20
Input Power	2400VA(Max); 1920VA(UL de-rated)	4800VA(Max); 3840VA(UL de-rated)	3840VA(Max)
Outlet Type	(18) NEMA 5-20R	(18) IEC 320 C13	(18) IEC 320 C13
Maximum Output Current (Outlet)	20A(Max);16A(UL de-rated)	15A(Max);12A(UL de-rated)	10A(Max)
Maximum Output Current (Bank)	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)
Maximum Output Current (Total)	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)
OPD (Overcurrent Protection Device)	Yes	Yes	Yes
Physical Properties			
Dimensions (L x W x H)	48.20 x 10.88 x 4.44 cm (18.98 x 4.28 x 1.75 in.)		
Weight	1.40 kg (3.08 lb)		
Power Cord Length	10ft (12#)	10ft (12#)	10ft (3x1.5mm2)
Environmental			
Temperature (Operating / Storage)	0 – 40°C* / -20 – 60°C		
Elevation (Operating / Storage)	3000m		
Compliance			
EMC Verification	FCC Class A	FCC Class A	CE
Safety Verification	By Request	By Request	CE, LVD

*When the environmental temperature comes close to 40 degrees, it is recommended to lower the load to 60% to comply to the safety regulations.

Specification > PE1109

	PE1109A	PE1109G
Electrical		
Nominal Input Voltage	100 – 120 VAC	100 – 240 VAC
Maximum Input Current	15A(Max);12A(UL de-rated);10A(PSE)	10A(Max)
Input Frequency	50 – 60 Hz	50 – 60 Hz
Input Connection	NEMA 5-15P	IEC-320 C14
Input Power	1800VA(Max); 1440VA(UL de-rated)	2400VA(Max)
Outlet Type	(9) NEMA 5-15R	(9) IEC 320 C13
Maximum Output Current (Outlet)	15A(Max);12A(UL de-rated);10A(PSE)	10A(Max)
Maximum Output Current (Bank)	15A(Max);12A(UL de-rated);10A(PSE)	10A(Max)
Maximum Output Current (Total)	15A(Max);12A(UL de-rated);10A(PSE)	10A(Max)
OPD (Over current Protection Device)	Yes	
Physical Properties		
Dimensions (L x W x H)	48.20 x 6.0 x 4.44 cm (18.98 x 2.36 x 1.75 in.)	
Weight	0.70 kg (1.54 lb)	
Power Cord Length	10ft (14#)	10ft (3x1.0mm2)
Environmental		
Temperature (Operating / Storage)	0 – 40°C* / -20 – 60°C	
Elevation (Operating / Storage)	3000m	
Compliance		
EMC Verification	FCC Class A	CE
Safety Verification	By Request	CE, LVD

Specification > PE1209

	PE1209A	PE1209B	PE1209G
Electrical			
Nominal Input Voltage	100 – 120 VAC	100 – 240 VAC	100 – 240 VAC
Maximum Input Current	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)
Input Frequency	50 – 60 Hz		
Input Connection	For A Plug: NEMA L5-20P For A2 Plug: NEMA 5-20P	NEMA L6-20P	IEC-320 C20
Input Power	2400VA(Max); 1920VA (UL de-rated)	4800VA(Max); 3840VA (UL de-rated)	3840VA(Max)
Outlet Type	(9) NEMA 5-20R	(9) IEC 320 C13	(9) IEC 320 C13
Maximum Output Current (Outlet)	20A(Max);16A(UL de-rated)	15A(Max);12A(UL de-rated)	10A(Max)
Maximum Output Current (Bank)	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)
Maximum Output Current (Total)	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)
OPD (Overcurrent Protection Device)	Yes		
Physical Properties			
Dimensions (L x W x H)	48.20 x 6.0 x 4.44 cm (18.98 x 2.36 x 1.75 in.)		
Weight	0.70 kg (1.54 lb)		
Power Cord Length	10ft (12#)	10ft (12#)	10ft (3x1.5mm2)
Environmental			
Temperature (Operating / Storage)	0 – 40°C* / -20 – 60°C		
Elevation (Operating / Storage)	3000m		
Compliance			
EMC Verification	FCC Class A	FCC Class A	CE
Safety Verification	By request	By request	CE, LVD

*When the environmental temperature comes close to 40 degrees, it is recommended to lower the load to 60% to comply to the safety regulations.

Specification > PE1116S

	PE1116SA	PE1116SG
Electrical		
Nominal Input Voltage	100-120 VAC	100-240 VAC
Maximum Input Current	15A(Max);12A(UL de-rated);10A(PSE)	10A(Max)
Input Frequency	50 – 60 Hz	50 – 60 Hz
Input Connection	NEMA 5-15P	IEC-320 C14
Input Power	1800VA(Max);	2400VA(Max)
	1440VA(UL de-rated)	
Outlet Type	(16) NEMA 5-15R	(16) IEC 320 C13
Nominal Output Voltage	100 – 240 VAC	
Maximum Output Current (Outlet)	15A(Max);12A(UL de-rated);10A(PSE)	10A(Max)
Maximum Output Current (Bank)	15A(Max);12A(UL de-rated);10A(PSE)	10A(Max)
Maximum Output Current (Total)	15A(Max);12A(UL de-rated);10A(PSE)	10A(Max)
OPD(Overcurrent Protection Device)	Yes	Yes
Physical Properties		
Dimensions (L x W x H)	83.56 x 6.0 x 4.44 cm (32.90 x 2.36 x 1.75 in.)	
Power Cord Length	10ft (14#)	10ft (3x1.0mm2)
Environmental		
Temperature (Operating / Storage)	0 – 40°C* / -20 – 60°C	
Elevation (Operating / Storage)	3000m	
Compliance		
EMC Verification	FCC Class A	CE
Safety Verification	By request	CE,LVD

Specification > PE1216S

	PE1216SA	PE1216SB	PE1216SG
Electrical			
Nominal Input Voltage	100-120 VAC	100-240 VAC	100-240 VAC
Maximum Input Current	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)
Input Frequency	50 – 60 Hz		
Input Connection	For A Plug: NEMA L5-20P For A2 Plug: NEMA 5-20P	NEMA L6-20P	IEC-320 C20
Input Power	2400VA(Max); 1920VA(UL de-rated)	4800VA(Max); 3840VA(UL de-rated)	3840VA(Max)
Outlet Type	(16) NEMA 5-20R	(16) IEC 320 C13	(16) IEC 320 C13
Maximum Output Current (Outlet)	20A(Max);16A(UL de-rated)	15A(Max);12A(UL de-rated)	10A(Max)
Maximum Output Current (Bank)	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)
Maximum Output Current (Total)	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)
OPD (Over current Protection Device)	Yes		
Physical Properties			
Dimensions (L x W x H)	83.56 x 6.0 x 4.44 cm (32.90 x 2.36 x 1.75 in.)		
Power Cord Length	10ft (12#)	10ft (12#)	10ft (3x1.5mm2)
Environmental			
Temperature (Operating / Storage)	0 – 40°C* / -20 – 60°C		
Elevation (Operating / Storage)	3000 m		
Compliance			
EMC Verification	FCC Class A	FCC Class A	CE
Safety Verification	By Request	By Request	CE, LVD

*When the environmental temperature comes close to 40 degrees, it is recommended to lower the load to 60% to comply to the safety regulations.

Specification > PE1224S

	PE1224SA	PE1224SB	PE1224SG
Electrical			
Nominal Input Voltage	100-120 VAC	100-240 VAC	100-240 VAC
Maximum Input Current	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)
Input Frequency	50 – 60 Hz		
Input Connection	For A Plug: NEMA L5-20P For A2 Plug: NEMA 5-20P	NEMA L6-20P	IEC-320 C20
Input Power	2400VA(Max); 1920VA(UL de-rated)	4800VA(Max); 3840VA(UL de-rated)	3840VA(Max)
Outlet Type	(24) NEMA 5-20R	(22) IEC 320 C13, (2) IEC 320 C19	(22) IEC 320 C13, (2) IEC 320 C19
Maximum Output Current (Outlet)	20A(Max);16A(UL de-rated)	C13: 15A(Max); 12A(UL de-rated) C19: 20A(Max); 16A(UL de-rated)	C13: 10A(Max) C19: 16A(Max)
Maximum Output Current (Bank)	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)
Maximum Output Current (Total)	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)
OPD (Overcurrent Protection Device)	Yes	Yes	Yes
Physical Properties			
Dimensions (L x W x H)	108.71 x 6.0 x 4.44 cm (42.80 x 2.36 x 1.75 in.)	120.71 x 6.0 x 4.44 cm (47.52 x 2.36 x 1.75 in.)	120.71 x 6.0 x 4.44 cm (47.52 x 2.36 x 1.75 in.)
Weight	2.20 kg (4.85 lb)	2.50 kg (5.51 lb)	2.50 kg (5.51 lb)
Power Cord Length	10ft (12#)	10ft (12#)	10ft (3x1.5mm2)
Environmental			
Temperature (Operating / Storage)	0 – 40°C* / -20 – 60°C		
Elevation (Operating / Storage)	3000m		
Compliance			
EMC Verification	FCC Class A	FCC Class A	CE
Safety Verification	By Request	By Request	CE, LVD

Specification > PE1316S

	PE1316SA	PE1316SG
Electrical		
Nominal Input Voltage	100 – 120 VAC	100 – 240 VAC
Maximum Input Current	30A(Max);24A(UL de-rated)	32A(Max)
Input Frequency	50 – 60 Hz	
Input Connection	NEMA L5-30P	IEC 60309 32A
Input Power	3600VA(Max); 2880VA(UL de-rated)	7680VA(Max)
Outlet Type	(16) NEMA 5-20R	(16) IEC 320 C13
Maximum Output Current (Outlet)	20A(Max);16A(UL de-rated)	10A(Max)
Maximum Output Current (Bank)	20A(Max);16A(UL de-rated)	16A(Max)
Maximum Output Current (Total)	30A(Max);24A(UL de-rated)	32A(Max)
OPD (Over current Protection Device)	Yes	Yes
Physical Properties		
Dimensions (L x W x H)	108.71 x 6.0 x 4.44 cm (42.80 x 2.36 x 1.75 in.)	
Power Cord Length	10ft (10#)	10ft (3x4mm2)
Environmental		
Temperature (Operating / Storage)	0 – 40°C* / -20 – 60°C	
Elevation (Operating / Storage)	3000m	
Compliance		
EMC Verification	FCC Class A	CE
Safety Verification	By Request	CE, LVD

*When the environmental temperature comes close to 40 degrees, it is recommended to lower the load to 60% to comply to the safety regulations.

Specification > PE1324S

	PE1324SA	PE1324SG
Electrical		
Nominal Input Voltage	100 – 120 VAC	100 – 240 VAC
Maximum Input Current	30A(Max);24A(UL de-rated)	32A(Max)
Input Frequency	50 – 60 Hz	
Input Connection	NEMA L5-30P	IEC 60309 32A
Input Power	3600VA(Max); 2880VA(UL de-rated)	7680VA(Max)
Outlet Type	(24) NEMA 5-20R	(24) IEC 320 C13
Maximum Output Current (Outlet)	20A(Max);16A(UL de-rated)	10A(Max)
Maximum Output Current (Bank)	20A(Max);16A(UL de-rated)	16A(Max)
Maximum Output Current (Total)	30A(Max);24A(UL de-rated)	32A(Max)
OPD (Overcurrent Protection Device)	Yes	Yes
Physical Properties		
Dimensions (L x W x H)	132.71 x 6.0 x 4.44 cm (52.24 x 2.36 x 1.75 in.)	
Weight	5.50 kg (12.13 lb)	
Power Cord Length	10ft (10#)	10ft (3x4mm2)
Environmental		
Temperature (Operating / Storage)	0 – 40°C* / -20 – 60°C	
Elevation (Operating / Storage)	3000m	
Compliance		
EMC Verification	FCC Class A	CE
Safety Verification	By Request	CE,LVD

Specification > PE1316B

	PE1316B
Electrical	
Nominal Input Voltage	100 – 240 VAC
Maximum Input Current	30A(Max);24A(UL de-rated)
Input Frequency	50 – 60 Hz
Input Connection	NEMA L6-30P
Input Power	7200VA(Max); 5760VA(UL de-rated)
Outlet Type	(16) IEC 320 C13
Maximum Output Current (Outlet)	15A(Max);12A(UL de-rated)
Maximum Output Current (Bank)	20A(Max);16A(UL de-rated)
Maximum Output Current (Total)	30A(Max);24A(UL de-rated)
OPD (Over current Protection Device)	Yes
Physical Properties	
Dimensions (L x W x H)	108.71 x 9.59 x 4.44 cm (42.80 x 3.78 x 1.75 in.)
Weight	6.0 kg (13.23 lb)
Power Cord Length	10ft (10#)
Environmental	
Temperature (Operating / Storage)	0 – 40°C* / -20 – 60°C
Elevation (Operating / Storage)	3000m
Compliance	
EMC Verification	FCC Class A
Safety Verification	By Request

*When the environmental temperature comes close to 40 degrees, it is recommended to lower the load to 60% to comply to the safety regulations.

Specification > PE1324B

	PE1324B
Electrical	
Nominal Input Voltage	100-240 VAC
Maximum Input Current	30A(Max);24A(UL de-rated)
Input Frequency	50 – 60 Hz
Input Connection	NEMA L6-30P
Input Power	7200VA(Max); 5760VA(UL de-rated)
Outlet Type	(22) IEC 320 C13 (2) IEC 320 C19
Maximum Output Current (Outlet)	C13: 15A(Max);12A(UL de-rated) C19: 20A(Max);16A(UL de-rated)
Maximum Output Current (Bank)	20A(Max);16A(UL de-rated)
Maximum Output Current (Total)	30A(Max);24A(UL de-rated)
OPD (Overcurrent Protection Device)	Yes
Physical Properties	
Dimensions (L x W x H)	120.71 x 9.59 x 4.44 cm (47.52 x 3.78 x 1.75 in.)
Weight	6.80kg (14.99 lb)
Power Cord Length	10ft (10#)
Environmental	
Temperature (Operating / Storage)	0 – 40°C* / -20 – 60°C
Humidity (Operating & Storage)	3000m
Compliance	
EMC Verification	FCC Class A
Safety Verification	By Request

*When the environmental temperature comes close to 40 degrees, it is recommended to lower the load to 60% to comply to the safety regulations.

Energy Box

EC1000

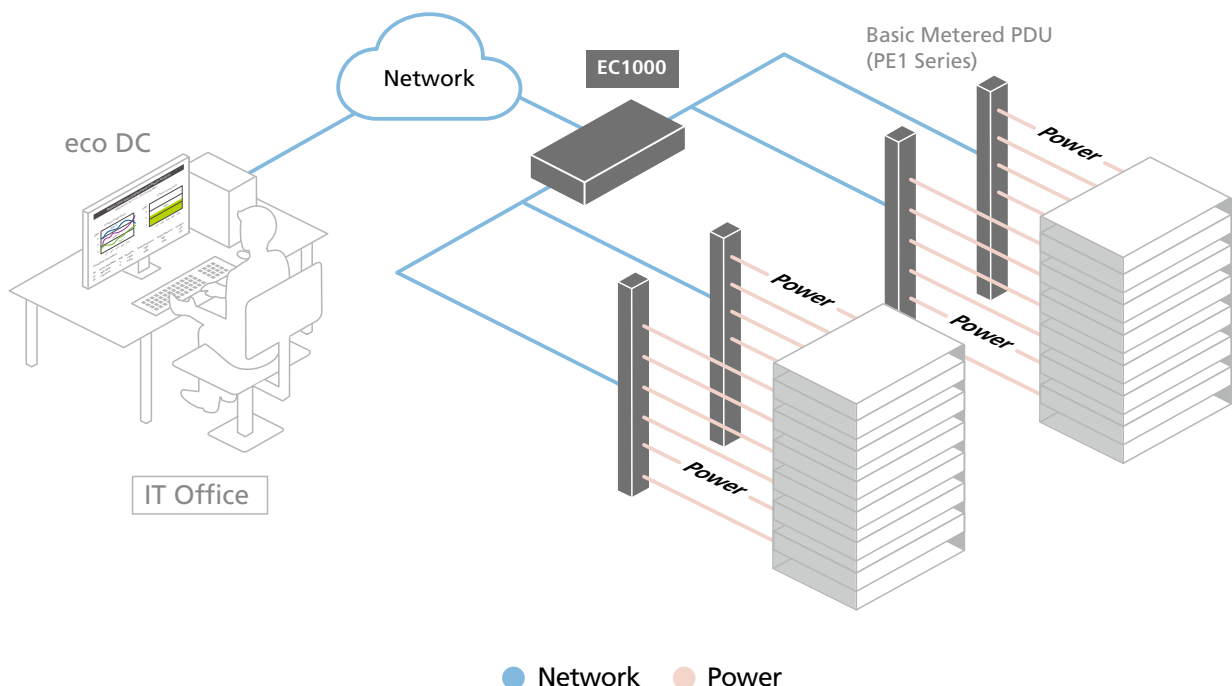


- EC1000
- 4 Energy Sensor Ports
- 4 Environmental Sensor Ports

The Energy Box is an intelligent power monitor that works with ATEN Basic Metered PDUs to monitor the electrical current of PDUs, and the temperature, humidity and differential pressure in a room using sensors. The EC1000 is a standalone over IP monitoring box that can be conveniently controlled via Web GUI. Installing the Energy Boxes on a rack and connecting them to the Energy PDUs allows all the power information from the PDUs to be collected and displayed on the Energy Box for easy viewing and monitoring.

- 4 Energy Sensor ports for Energy PDU power monitoring (0A to 32A per port)
- 4 Environmental Sensor ports for temperature, humidity and differential pressure monitoring
- Space saving 0U/1U rack mount design
- Remote real-time electrical current management and monitoring
 - Current threshold level settings
 - Name assignment to individual PDUs
- Extended PDU Management Options
 - Remote management via network with Web Brower, 3rd party SNMP manager
- Exceeded threshold alerts via:
 - Local: audio alarm and LED lights
 - Remote: SMTP/SNMP trap/Syslog

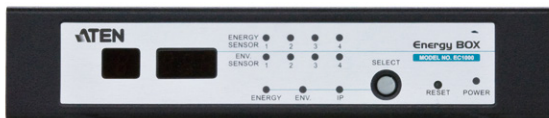
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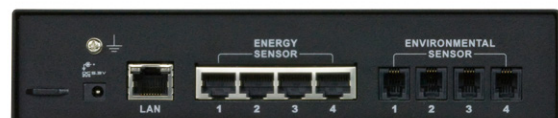
Specification > EC1000

	EC1000
Energy PDU Connections	4
Port Selection	Pushbutton
Connectors	
Energy Sensor Port	4 x RJ-45 Female
Environment Sensor Ports	4 x RJ-11 Female
Power	1 x DC Jack
LAN Ports	1 x RJ-45 Female
Switches	
Reset	1 x Semi-recessed Pushbutton
Selection	1 x Selection Pushbutton
LEDs	
PDU Status	4 (Orange)
Environment Sensor Status	4 (Green)
Selected	1 digit 7-segment (Orange)
Power	1 (Blue)
Link	1 (Orange / Green) 1 (Green)
Monitoring Range	100 – 240V, 50/60Hz, 0A to 32A (per port) LED Display Resolution: 0.1A Precision: $\pm 0.1A@0 \sim 1A$, $\pm 1\% >1A$
Power Consumption	DC5V: 2.93W
Environmental	
Operating Temperature	0 – 50°C
Storage Temperature	-20 – 60°C
Humidity	0 – 80% RH, Non-condensing
Physical Properties	
Housing	Metal
Weight	0.59 kg (1.3 lb)
Dimensions (L x W x H)	20.00 x 7.59 x 4.40 cm (7.87 x 2.99 x 1.73 in.)

Product Overview (EC1000)



Front View



Rear View

IP Control Box

PE4104G



PE4104G
• Remote Power Control
• Auto Ping and Auto Reboot

The ATEN IP Control Box provides secure, centralized, intelligent, remote power management of data center IT equipment while minimizing operational costs. With the remote power control function, IP Control Boxes allow administrators to control devices attached to the PDU at the PDU device level from practically any location using an intuitive and user-friendly Graphical User Interface via a TCP/IP connection.

The ATEN IP Control Box boasts a slim, compact form factor and support desk mounting as well as rack mounting, ensuring easy installation in confined spaces. They are a smart power control solution tailored for hospitality or retail applications, such as digital signage and video walls, for edge computing devices, such as routers, servers and cameras, or for any data center environment where there is no need to keep the servers powered on at all times.

Power-on Sequencing

IT administrators can set the power on sequence and delay time for each port to allow equipment to be turned on in the proper order, eliminating the risk of a power surge and helping to guarantee reliable operation while protecting overall system health.

Remote Control

Remote power control can be used to reboot hung servers or prepare outlets for new devices via the Web GUI. Administrators can also switch on/off or set a delay time for each power outlet or individual power outlet group remotely.

Auto Ping and Auto Reboot

Administrators can set up devices to be pinged at specified intervals so they can ensure that equipment is fully operational without having to enter the facility. If auto ping communications fail, these outlets will be rebooted automatically to ensure continued operational status.

Specification > PE4104G

	PE4104G
Electrical	
Nominal Input Voltage	100 – 240 VAC
Maximum Input Current	10A(Max)
Input Frequency	50 – 60 Hz
Input Connection	IEC C14
Input Power	2400VA(Max)
Outlet Type	(4) IEC 320 C13
Nominal Output Voltage	100 – 240 VAC
Maximum Output Current (Outlet)	10A(Max)
Maximum Output Current (Bank)	10A(Max)
Maximum Output Current (Total)	10A(Max)
Breakers	Yes (UL1077)
Metering	No
Outlet Switching	Yes
Power Consumption	AC110V:3.1W:20BTU AC220V:3.5W:22BTU
Physical Properties	
Dimensions (L x W x H)	4.4 x 11.5 x 20.0cm
Weight	0.90 kg (1.98 lb)
Power Cord Length	3m
Environmental	
Temperature (Operating / Storage)	0 – 50°C / -20 – 60°C
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing
Compliance	
EMC Verification	CE
Safety Verification	CE-LVD

Product Overview (PE4104G)



Front View



Rear View

eco PDU

Intelligent 1U Rack PDU

PE5108 / PE5208 / PE6108 / PE6108AV / PE6208 / PE6208AV
PE7108 / PE7208 / PE8108 / PE8208



PE5108 / PE5208
• Bank level power status measurement

PE6108 / PE6108AV
PE6208 / PE6208AV
• Remote power control
• Proactive overload protection
• Bank level power status measurement

PE7108 / PE7208
• Bank and outlet level power status measurement

PE8108 / PE8208
• Remote power control
• Proactive overload protection
• Bank and outlet level power status measurement

Power Distribution

- Space saving rack mount design with rear mounting
- IEC or NEMA outlet models
- 3 x 7 segment front panel LED shows Current / IP Address
- Remote users can monitor outlet status via web browser
- Safe shutdown support (PE6/ PE8 only)
- Separate power for the unit and its power outlets – the user interface is still accessible even when an overload trips the circuit breakers

Remote Access

- Remote power control over TCP/IP via built-in 10/100 Ethernet port (PE6 / PE8 only)
- Network Protocols: TCP/IP, PPP, UDP, HTTP, HTTPS, SSL, SMTP, DHCP, NTP, DNS, auto sense, Ping, Telnet
- Supports SNMP Manager V1, V2 & V3

Operation

- Remote power control (On, Off, Power Cycle) by individual outlet (PE6 / PE8 only)
- Multiple power control methods – Wake on LAN, System After AC Back, Kill the Power (PE6 / PE8 only)
- Power-on sequencing – set the sequence and time delay for each outlet to power-on equipment in the correct order (PE6 / PE8 only)
- Easy setup and operation via browser-based user interface
- Multibrowser support (IE, Mozilla, Firefox, Chrome, Safari, Opera, Netscape)
- RTC support to keep the clock/timer running without power
- Supports up to 8 user and 1 administrator accounts
- Proactive Overload Protection (POP) automatically powers off outlets during current overloads to protect connected devices (PE6 / PE8 only)

Management

- Power status measurement at the bank level (PE5 / PE6), or bank and outlet level (PE7 / PE8 only)
- LED indicators for current and IP address
- Real-time current, voltage and kWh displayed in a browsed-based UI for monitoring
- Environment monitoring via external sensors for rack temperature and humidity readings and alerts
- Current, voltage, power dissipation, energy consumption, temperature and humidity threshold settings
- Supports naming of outlets
- User outlet access rights on an outlet-by-outlet basis
- Event logging and syslog support
- Supports Management Information Base (MIB) files for SNMP
- Upgradeable firmware
- Multilingual support: English, Traditional Chinese, Simplified Chinese, Japanese, German, Italian, Spanish, French, Russian

Security

- Two-level password security
- Security features include password protection and advanced encryption technologies – 128 bit SSL
- Remote authentication support: RADIUS

Note: Product information is subject to change without prior notification.

IEC System

Model	Rack Space	Input Voltage	(Max) AMP	Input Plug	# of Banks	Outlets	Outlet Control	Metering Level
PE5108G	1U	100-240V	10A	IEC 60320 C14	1 x 10A	8 x IEC320 C13	None	Bank
PE5208G	1U	100-240V	16A	IEC 60320 C20	1 x 16A	7 x IEC320 C13 + 1 x IEC320 C19	None	Bank
PE6108G	1U	100-240V	10A	IEC 60320 C14	1 x 10A	8 x IEC320 C13	Yes	Bank
PE6208G	1U	100-240V	16A	IEC 60320 C20	1 x 16A	7 x IEC320 C13 + 1 x IEC320 C19	Yes	Bank
PE6208AVG	1U	100-240V	16A	IEC 60320 C20	1 x 16A	8 x IEC320 C13	Yes	Bank
PE7108G	1U	100-240V	10A	IEC 60320 C14	1 x 10A	8 x IEC320 C13	None	Outlet
PE7208G	1U	100-240V	16A	IEC 60320 C20	1 x 16A	7 x IEC320 C13 + 1 x IEC320 C19	None	Outlet
PE8108G	1U	100-240V	10A	IEC 60320 C14	1 x 10A	8 x IEC320 C13	Yes	Outlet
PE8208G	1U	100-240V	16A	IEC 60320 C20	1 x 16A	7 x IEC320 C13 + 1 x IEC320 C19	Yes	Outlet
PE8208Z	1U	100-240V	16A	IEC 60320 C20	1 x 16A	7 x GB1002 10A + 1 x GB1002 16A	Yes	Outlet

NEMA System

Model	Rack Space	Input Voltage	(Max) AMP	Input Plug	# of Banks	Outlets	Outlet Control	Metering Level
PE5108A	1U	100-120V	15A	NEMA 5-15P	1 x 15A	8 x NEMA 5-15R	None	Bank
PE5108B	1U	100-240V	15A	NEMA 6-15P	1 x 15A	8 x IEC320 C13	None	Bank
PE5208A	1U	100-120V	20A	NEMA 5-20P	1 x 20A	8 x NEMA 5-20R	None	Bank
PE5208B	1U	100-240V	20A	NEMA 6-20P	1 x 20A	7 x IEC320 C13 + 1 x IEC320 C19	None	Bank
PE6108A	1U	100-120V	15A	NEMA 5-15P	1 x 15A	8 x NEMA 5-15R	Yes	Bank
PE6108B	1U	100-240V	15A	NEMA 6-15P	1 x 15A	8 x IEC320 C13	Yes	Bank
PE6108AVA	1U	100-120V	15A	NEMA 5-15P	1 x 15A	8 x NEMA 5-15R	Yes	Bank
PE6208A	1U	100-120V	20A	NEMA 5-20P	1 x 20A	8 x NEMA 5-20R	Yes	Bank
PE6208B	1U	100-240V	20A	For B Plug: NAME 6 -20P For J Plug: NAME L6 -20P	1 x 20A	7 x IEC320 C13 + 1 x IEC320 C19	Yes	Bank
PE6208AVB	1U	100-240V	20A	NEMA 6-20P	1 x 20A	8 x IEC320 C13	Yes	Bank
PE6208AVA	1U	100-120V	20A	For A/J Plug: NEMA L5-20P For A2/J2 Plug: NEMA 5-20P	1 x 20A	8 x NEMA 5-20R	Yes	Bank
PE7108A	1U	100-120V	15A	NEMA 5-15P	1 x 15A	8 x NEMA 5-15R	None	Outlet
PE7108B	1U	100-240V	15A	NEMA 6-15P	1 x 15A	8 x IEC320 C13	None	Outlet
PE7208A	1U	100-120V	20A	NEMA 5-20P	1 x 20A	8 x NEMA 5-20R	None	Outlet
PE7208B	1U	100-240V	20A	NEMA 6-20P	1 x 20A	7 x IEC320 C13 + 1 x IEC320 C19	None	Outlet
PE8108A	1U	100-120V	15A	NEMA 5-15P	1 x 15A	8 x NEMA 5-15R	Yes	Outlet
PE8108B	1U	100-240V	15A	NEMA 6-15P	1 x 15A	8 x IEC320 C13	Yes	Outlet
PE8208A	1U	100-120V	20A	NEMA 5-20P	1 x 20A	8 x NEMA 5-20R	Yes	Outlet
PE8208B	1U	100-240V	20A	NEMA 6-20P	1 x 20A	7 x IEC320 C13 + 1 x IEC320 C19	Yes	Outlet

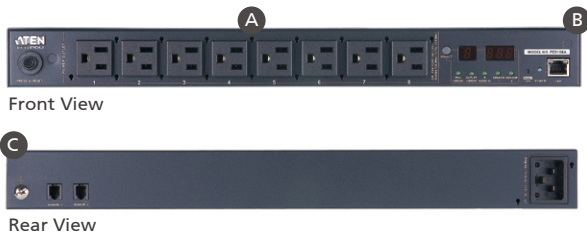
Terminal Block System

Model	Rack Space	Input Voltage	(Max) AMP	Input Plug	# of Banks	Outlets	Outlet Control	Metering Level
PE6208AVX	1U	100-240V	16A	Terminal Block	1 x 16A	8 x Terminal Block	Yes	Bank

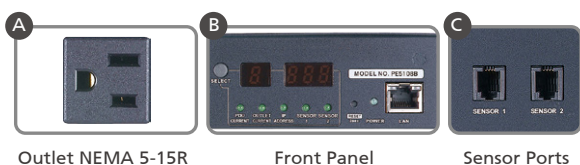
Specification > PE5108

	PE5108A	PE5108B	PE5108G
Electrical			
Nominal Input Voltage	100 – 120 VAC	100 – 240 VAC	100 – 240 VAC
Maximum Input Current	15A(Max);12A(UL de-rated)	15A(Max);12A(UL de-rated)	10A(Max)
Input Frequency	50 – 60 Hz		
Input Connection	NEMA 5-15P	NEMA 6-15P	IEC 60320 C14
Input Power	1800VA(Max); 1440VA(UL de-rated)	3120VA(Max); 2496VA(UL de-rated)	2300VA(Max)
Outlet Type	Total: 8 x NEMA 5-15R	Total: 8 x IEC320 C13	Total: 8 x IEC320 C13
Nominal Output Voltage	100 – 120 VAC	100 – 240 VAC	100 – 240 VAC
Maximum Output Current (Outlet)	NEMA 5-15R: 15A(Max); 12A(UL de-rated)	C13 : 15A(Max); 12A(UL de-rated)	C13 : 10A(Max)
Maximum Output Current (Bank)	15A(Max);12A(UL de-rated)	15A(Max);12A(UL de-rated)	10A(Max)
Maximum Output Current (Total)	15A(Max);12A(UL de-rated)	15A(Max);12A(UL de-rated)	10A(Max)
Breakers	1 x 15A Non-Fuse Breaker		
Metering	Bank level Current, Voltage, VA , PF and KWh Monitoring		
Outlet Switching	None		
Environment Sensor Ports	2		
Metering Accuracy	Voltage Range: 100VAC ~ 250VAC +/-1% Power Range: 100W ~ Maximum Capacity +/- 2% Current Range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%		
Physical Properties			
Dimensions (L x W x H)	43.24 x 21.93 x 4.40 cm (17.02 x 8.63 x 1.73 in.)		
Weight	2.77 kg (6.09 lb)	2.82 kg (6.20 lb)	2.82 kg (6.20 lb)
Power Cord Length	3 m		
Environmental			
Temperature (Operating / Storage)	0 – 50°C / -20 – 60°C		
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing		
Compliance			
EMC Verification	FCC, Others by Request	FCC, Others by Request	CE, Others by Request
Safety Verification	TUV-CB, cTUVus, Others by Request	TUV-CB, cTUVus, Others by Request	TUV-CB, CE-LVD, Others by Request

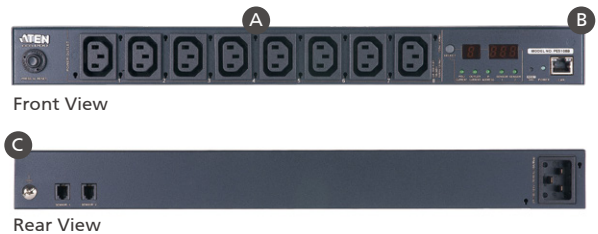
Product Overview (PE5108A)



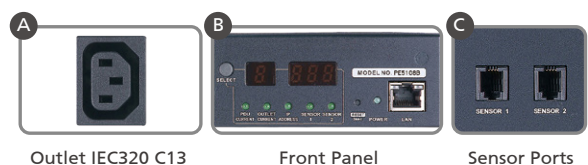
Product Detail



Product Overview (PE5108B / PE5108G)



Product Detail



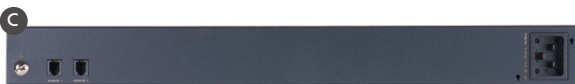
Specification > PE5208

	PE5208A	PE5208B	PE5208G
Electrical			
Nominal Input Voltage	100 – 120 VAC	100 – 240 VAC	100 – 240 VAC
Maximum Input Current	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)
Input Frequency	50 – 60 Hz		
Input Connection	NEMA 5-20P	NEMA 6-20P	IEC 60320 C20
Input Power	2400VA(Max); 1920VA(UL de-rated)	4160VA(Max); 3328VA(UL de-rated)	3680VA(Max)
Outlet Type	Total : 8 x NEMA 5-20R	Total : 7 x IEC320 C13 + 1 x IEC320 C19	Total : 7 x IEC320 C13 + 1 x IEC320 C19
Nominal Output Voltage	100 – 120 VAC	100 – 240 VAC	100 – 240 VAC
Maximum Output Current (Outlet)	NEMA 5-20R: 20A(Max); 16A(UL de-rated)	C13: 15A(Max);12A(UL de-rated) C19: 20A(Max);16A(UL de-rated)	C13: 10A(Max) C19: 16A(Max)
Maximum Output Current (Bank)	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)
Maximum Output Current (Total)	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)
Breakers	1 x 20A Non-Fuse Breaker	1 x 20A Non-Fuse Breaker	1 x 16A Non-Fuse Breaker
Metering	Bank level Current, Voltage, VA , PF and KWh Monitoring		
Outlet Switching	None		
Environment Sensor Ports	2		
Metering Accuracy	Voltage Range: 100VAC ~ 250VAC +/-1% Power Range: 100W ~ Maximum Capacity +/- 2% Current Range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%		
Physical Properties			
Dimensions (L x W x H)	43.24 x 22.04 x 4.40 cm (17.02 x 8.68 x 1.73 in.)		
Weight	2.71 kg (5.97 lb)		
Power Cord Length	3 m		
Environmental			
Temperature (Operating / Storage)	0 – 50°C / -20 – 60°C		
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing		
Compliance			
EMC Verification	FCC, Others by Request	FCC, Others by Request	CE, Others by Request
Safety Verification	TUV-CB, cTUVus, Others by Request	TUV-CB, cTUVus, Others by Request	TUV-CB, CE-LVD, Others by Request

Product Overview (PE5208A)



Front View



Rear View

Product Detail



Outlet NEMA 5-20R

Front Panel

Sensor Ports

Product Overview (PE5208B / PE5208G)



Front View



Rear View

Product Detail



Outlet IEC320 C19
Outlet IEC320 C13

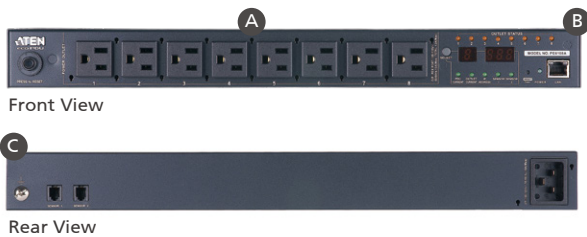
Front Panel

Sensor Ports

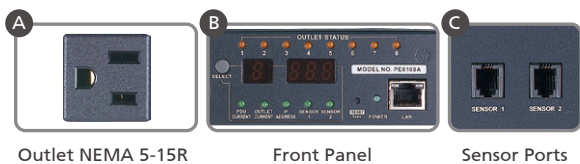
Specification > PE6108

	PE6108A	PE6108B	PE6108G
Electrical			
Nominal Input Voltage	100 – 120 VAC	100 – 240 VAC	100 – 240 VAC
Maximum Input Current	15A(Max); 12A(UL de-rated)	15A(Max); 12A(UL de-rated)	10A(Max)
Input Frequency	50 – 60 Hz		
Input Connection	NEMA 5-15P	NEMA 6-15P	IEC 60320 C14
Input Power	1800VA(Max); 1440 VA(UL de-rated)	3120VA(Max); 2496 VA(UL de-rated)	2300VA(Max)
Outlet Type	Total: 8 x NEMA 5-15R	Total: 8 x IEC320 C13	Total: 8 x IEC320 C13
Nominal Output Voltage	100 – 120 VAC	100 – 240 VAC	100 – 240 VAC
Maximum Output Current (Outlet)	NEMA 5-15R: 15A(Max); 12A(UL de-rated)	C13: 15A(Max); 12A(UL de-rated)	C13: 10A(Max)
Maximum Output Current (Bank)	15A(Max);12A(UL de-rated)	15A(Max);12A(UL de-rated)	10A(Max)
Maximum Output Current (Total)	15A(Max);12A(UL de-rated)	15A(Max);12A(UL de-rated)	10A(Max)
Breakers	1 x 15A Non-Fuse Breaker		
Metering	Bank level Current, Voltage, VA , PF and KWh Monitoring		
Outlet Switching	Yes		
Environment Sensor Ports	2		
Metering Accuracy	Voltage Range: 100VAC ~ 250VAC +/-1% Power Range: 100W ~ Maximum Capacity +/- 2% Current Range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%		
Physical Properties			
Dimensions (L x W x H)	43.24 x 22.04 x 4.40 cm (17.02 x 8.68 x 1.73 in.)		
Weight	2.77 kg (6.1 lb)		
Power Cord Length	3 m		
Environmental			
Temperature (Operating / Storage)	0 – 50°C / -20 – 60°C		
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing		
Compliance			
EMC Verification	FCC, Others by Request	FCC, Others by Request	CE, Others by Request
Safety Verification	TUV-CB, cTUVus, Others by Request	TUV-CB, cTUVus, Others by Request	TUV-CB, CE-LVD, Others by Request

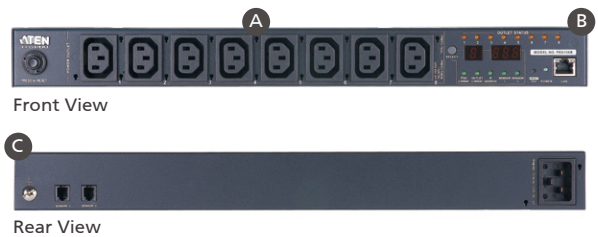
Product Overview (PE6108A)



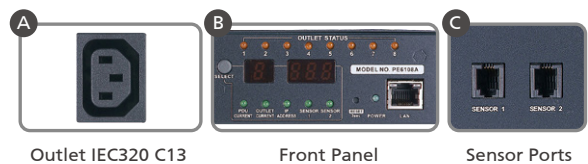
Product Detail



Product Overview (PE6108B / PE6108G)



Product Detail



Specification > PE6108AV

	PE6108AVA
Electrical	
Nominal Input Voltage	100 – 120 VAC
Maximum Input Current	15A(Max);12A(UL de-rated)
Input Frequency	50 – 60 Hz
Input Connection	For A/J Plug:NEMA 5-15P
Input Power	1800 VA(Max);1440 VA(UL de-rated)
Outlet Type	Total : 8 x NEMA 5-15R
Nominal Output Voltage	100 – 120 VAC
Maximum Output Current (Outlet)	NEMA 5-15R : 15A(Max);12A(UL de-rated)
Maximum Output Current (Bank)	15A(Max);12A(UL de-rated)
Maximum Output Current (Total)	15A(Max);12A(UL de-rated)
Metering	Bank level Current, Voltage, VA , PF and KWh Monitoring
Outlet Switching	Yes
Environment Sensor Ports	2
Metering Accuracy	Voltage range: 100VAC ~ 250VAC +/-1% Power range: 100W ~ 5000W +/- 2% Current range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%
Communication	
10/100 Mbps	1 x RJ-45
RS-232	1 x DB-9
Switches	
Power	Yes
Physical Properties	
Dimensions (L x W x H)	43.24 x 26.73 x 4.40 cm (17.02 x 10.52 x 1.73 in.)
Weight	3.70 kg (8.15 lb)
Power Cord Length	3 m
Environmental	
Temperature (Operating / Storage)	0 – 45°C / -20 – 60°C
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing
Compliance	
EMC Verification	FCC, J55022
Safety Verification	PSE, Others by Request

Product Overview (PE6108AVA)



Front View



Rear View

Product Detail



Outlet NEMA 5-15R

Front Panel

Sensor Ports

Specification > PE6208

Function	PE6208A	PE6208B	PE6208G
Electrical			
Nominal Input Voltage	100 – 120 VAC	100 – 240 VAC	100 – 240 VAC
Maximum Input Current	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)
Input Frequency	50 – 60 Hz		
Input Connection	NEMA 5-20P	For B Plug: NAME 6 -20P For J Plug: NAME L6 -20P	IEC 60320 C20
Input Power	2400VA(Max); 1920VA(UL de-rated)	4160VA(Max); 3328VA(UL de-rated)	3680VA(Max)
Outlet Type	Total : 8 x NEMA 5-20R	Total : 7 x IEC320 C13 + 1 x IEC320 C19	Total : 7 x IEC320 C13 + 1 x IEC320 C19
Nominal Output Voltage	100 – 120 VAC	100 – 240 VAC	100 – 240 VAC
Maximum Output Current (Outlet)	NEMA 5-20R: 20A(Max); 16A(UL de-rated)	C13: 15A(Max);12A(UL de-rated) C19: 20A(Max);16A(UL de-rated)	C13: 10A(Max) C19: 16A(Max)
Maximum Output Current (Bank)	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)
Maximum Output Current (Total)	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)
Breakers	1 x 20A Non-Fuse Breaker	1 x 20A Non-Fuse Breaker	1 x 16A Non-Fuse Breaker
Metering	Bank level Current, Voltage, VA , PF and KWh Monitoring		
Outlet Switching	Yes		
Environment Sensor Ports	2		
Metering Accuracy	Voltage Range: 100VAC ~ 250VAC +/-1% Power Range: 100W ~ Maximum Capacity +/- 2% Current Range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%		
Physical Properties			
Dimensions (L x W x H)	43.24 x 22.04 x 4.40 cm (17.02 x 8.68 x 1.73 in.)		
Weight	2.79 kg (6.15 lb)		
Power Cord Length	3 m		
Environmental			
Temperature (Operating / Storage)	0 – 50°C / -20 – 60°C		
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing		
Compliance			
EMC Verification	FCC, Others by Request	FCC, Others by Request	CE, Others by Request
Safety Verification	TUV-CB, cTUVus, Others by Request	TUV-CB, cTUVus, Others by Request	TUV-CB, CE-LVD, Others by Request

Product Overview (PE6208A)



Front View



Rear View

Product Detail



Outlet NEMA 5-20R

Front Panel

Sensor Ports

Product Overview (PE6208B / PE6208G)



Front View



Rear View

Product Detail



Outlet IEC320 C19
Outlet IEC320 C13

Front Panel

Sensor Ports

Specification > PE6208AV

	PE6208AVA	PE6208AVB	PE6208AVG	PE6208AVX
Electrical				
Nominal Input Voltage	100 – 120 VAC	100 – 240 VAC	100 – 240 VAC	100 – 240 VAC
Maximum Input Current	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)	16A(Max)
Input Frequency	50 – 60 Hz			
Input Connection	A/J:NEMA L5-20P A2/J2: NEMA 5-20P	NEMA 6-20P	IEC 60320 C20	Terminal(3P)
Input Power	2400VA(Max), 1920VA(UL de-rated)	4600VA(Max), 3680 VA(UL de-rated)	3680VA(Max)	4800VA(Max)
Outlet Type	Total : 8 x NEMA 5-20R	Total: 8 x IEC320 C13	Total: 8 x IEC320 C13	Total: 8 x Terminal(3P)
Nominal Output Voltage	100 – 120 VAC	100 – 240 VAC	100 – 240 VAC	100 – 240 VAC
Maximum Output Current (Outlet)	NEMA 5-20R : 20A(Max) 16A(UL de-rated)	C13: 15A(Max) 12A(UL de-rated)	C13: 10A	16A(Max)
Maximum Output Current (Bank)	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)	16A(Max)
Maximum Output Current (Total)	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)	16A(Max)
Metering	Bank level Current, Voltage, VA , PF and KWh Monitoring			
Outlet Switching	Yes			
Environment Sensor Ports	2			
Metering Accuracy	Voltage range: 100VAC ~ 250VAC +/-1% Power range: 100W ~ 5000W +/- 2% Current range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%			
Communication				
10/100 Mbps	1 x RJ-45			
RS-232	1 x DB-9			
Switches				
Power	Yes			
Physical Properties				
Dimensions (L x W x H)	43.24 x 36.39 x 4.40 cm (17.02 x 14.33 x 1.73 in.)			
Weight	4.67 kg (10.29 lb)			
Power Cord Length	3 m	3 m	3 m	N.A.
Environmental				
Temperature (Operating / Storage)	0 – 50°C / -20 – 60°C	0 – 50°C / -20 – 60°C	0 – 40°C / -20 – 60°C	0 – 50°C / -20 – 60°C
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing			
Compliance				
EMC Verification	FCC, J55032	FCC, Others by Request	CE-EMC, FCC, J55032, Others by Request	CE, FCC
Safety Verification	PSE	Others by Request	CE-LVD, PSE, Others by Request	CE-LVD

Product Overview (PE6208AVB / PE6208AVG)



Front View



Rear View

Product Detail

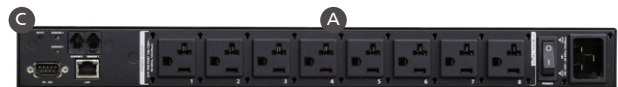


Outlet IEC320 C13

Front Panel

Sensor Ports

Product Overview (PE6208AVA / PE6208AVX)



PE6208AVA Rear View



PE6208AVX Rear View

Product Detail



Outlet NEMA 5-20R

Outlet Terminal Block

Front Panel

Sensor Ports

Specification > PE7108

	PE7108A	PE7108B	PE7108G
Electrical			
Nominal Input Voltage	100 – 120 VAC	100 – 240 VAC	100 – 240 VAC
Maximum Input Current	15A(Max);12A(UL de-rated)	15A(Max);12A(UL de-rated)	10A(Max)
Input Frequency	50 – 60 Hz		
Input Connection	NEMA 5-15P	NEMA 6-15P	IEC 60320 C14
Input Power	1800VA(Max); 1440VA(UL de-rated)	3120VA(Max); 2496VA(UL de-rated)	2300VA(Max)
Outlet Type	Total: 8 x NEMA 5-15R	Total: 8 x IEC320 C13	Total: 8 x IEC320 C13
Nominal Output Voltage	100 – 120 VAC	100 – 240 VAC	100 – 240 VAC
Maximum Output Current (Outlet)	NEMA 5-15R: 15A(Max); 12A(UL de-rated)	C13 : 15A(Max); 12A(UL de-rated)	C13 : 10A(Max)
Maximum Output Current (Bank)	15A(Max);12A(UL de-rated)	15A(Max);12A(UL de-rated)	10A(Max)
Maximum Output Current (Total)	15A(Max);12A(UL de-rated)	15A(Max);12A(UL de-rated)	10A(Max)
Breakers	1 x 15A Non-Fuse Breaker		
Metering	Outlet level Current, Voltage, VA , PF and kWh Monitoring		
Outlet Switching	None		
Environment Sensor Ports	2		
Metering Accuracy	Voltage Range: 100VAC ~ 250VAC +/-1% Power Range: 100W ~ Maximum Capacity +/- 2% Current Range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%		
Physical Properties			
Dimensions (L x W x H)	43.24 x 22.04 x 4.40 cm (17.02 x 8.68 x 1.73 in.)		
Weight	2.72 kg (5.99 lb)		
Power Cord Length	3 m		
Environmental			
Temperature (Operating / Storage)	0 – 50°C / -20 – 60°C		
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing		
Compliance			
EMC Verification	FCC, Others by Request	FCC, Others by Request	CE, Others by Request
Safety Verification	TUV-CB, cTUVus, Others by Request	TUV-CB, cTUVus, Others by Request	TUV-CB, CE-LVD, Others by Request

Product Overview (PE7108A)



Front View



Rear View

Product Detail



Outlet NEMA 5-15R

Front Panel

Sensor Ports

Product Overview (PE7108B / PE7108G)



Front View



Rear View

Product Detail



Outlet IEC320 C13

Front Panel

Sensor Ports

Specification > PE7208

	PE7208A	PE7208B	PE7208G
Electrical			
Nominal Input Voltage	100 – 120 VAC	100 – 240 VAC	100 – 240 VAC
Maximum Input Current	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)
Input Frequency	50 – 60 Hz		
Input Connection	NEMA 5-20P	NEMA 6-20P	IEC 60320 C20
Input Power	2400VA(Max); 1920VA(UL de-rated)	4160VA(Max); 3328VA(UL de-rated)	3680VA(Max)
Outlet Type	Total : 8 x NEMA 5-20R	Total : 7 x IEC320 C13 + 1 x IEC320 C19	Total : 7 x IEC320 C13 + 1 x IEC320 C19
Nominal Output Voltage	100 – 120 VAC	100 – 240 VAC	100 – 240 VAC
Maximum Output Current (Outlet)	NEMA 5-20R: 20A(Max); 16A(UL de-rated)	C13: 15A(Max);12A(UL de-rated) C19: 20A(Max);16A(UL de-rated)	C13: 10A(Max) C19: 16A(Max)
Maximum Output Current (Bank)	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)
Maximum Output Current (Total)	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)
Breakers	1 x 20A Non-Fuse Breaker	1 x 20A Non-Fuse Breaker	1 x 16A Non-Fuse Breaker
Metering	Outlet level Current, Voltage, VA , PF and KWh Monitoring		
Outlet Switching	None		
Environment Sensor Ports	2		
Metering Accuracy	Voltage Range: 100VAC ~ 250VAC +/-1% Power Range: 100W ~ Maximum Capacity +/- 2% Current Range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%		
Physical Properties			
Dimensions (L x W x H)	43.24 x 22.04 x 4.40 cm (17.02 x 8.68 x 1.73 in.)		
Weight	2.74 kg (6.04 lb)		
Power Cord Length	3 m		
Environmental			
Temperature (Operating / Storage)	0 – 50°C / -20 – 60°C		
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing		
Compliance			
EMC Verification	FCC, Others by Request	FCC, Others by Request	CE, Others by Request
Safety Verification	TUV-CB, cTUVus, Others by Request	TUV-CB, cTUVus, Others by Request	TUV-CB, CE-LVD, Others by Request

Product Overview (PE7208A)



Front View



Rear View

Product Detail



Outlet NEMA 5-20R

Front Panel

Sensor Ports

Product Overview (PE7208B / PE7208G)



Front View



Rear View

Product Detail



Outlet IEC320 C19
Outlet IEC320 C13

Front Panel

Sensor Ports

Specification > PE8108

	PE8108A	PE8108B	PE8108G
Electrical			
Nominal Input Voltage	100 – 120 VAC	100 – 240 VAC	100 – 240 VAC
Maximum Input Current	15A(Max);12A(UL de-rated)	15A(Max);12A(UL de-rated)	10A(Max)
Input Frequency	50 – 60 Hz		
Input Connection	NEMA 5-15P	NEMA 6-15P	IEC 60320 C14
Input Power	1800VA(Max); 1440VA(UL de-rated)	3120VA(Max); 2496VA(UL de-rated)	2300VA(Max)
Outlet Type	Total: 8 x NEMA 5-15R	Total: 8 x IEC320 C13	Total: 8 x IEC320 C13
Nominal Output Voltage	100 – 120 VAC	100 – 240 VAC	100 – 240 VAC
Maximum Output Current (Outlet)	NEMA 5-15R:15A(Max); 12A(UL de-rated)	C13:15A(Max); 12A(UL de-rated)	C13: 10A(Max)
Maximum Output Current (Bank)	15A(Max);12A(UL de-rated)	15A(Max);12A(UL de-rated)	10A(Max)
Maximum Output Current (Total)	15A(Max);12A(UL de-rated)	15A(Max);12A(UL de-rated)	10A(Max)
Breakers	1 x 15A Non-Fuse Breaker		
Metering	Outlet level Current, Voltage, VA , PF and KWh Monitoring		
Outlet Switching	Yes		
Environment Sensor Ports	2		
Metering Accuracy	Voltage Range: 100VAC ~ 250VAC +/-1% Power Range: 100W ~ Maximum Capacity +/- 2% Current Range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%		
Physical Properties			
Dimensions (L x W x H)	43.24 x 22.04 x 4.40 cm (17.02 x 8.68 x 1.73 in.)		
Weight	2.75 kg (6.06 lb)		
Power Cord Length	3 m		
Environmental			
Temperature (Operating / Storage)	0 – 50°C / -20 – 60°C		
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing		
Compliance			
EMC Verification	FCC, Others by Request	FCC, Others by Request	CE, Others by Request
Safety Verification	TUV-CB, cTUVus, Others by Request	TUV-CB, cTUVus, Others by Request	TUV-CB, CE-LVD, EAC, Others by Request

Product Overview (PE8108A)



Front View



Rear View

Product Detail



Outlet NEMA 5-15R

Front Panel

Sensor Ports

Product Overview (PE8108B / PE8108G)



Front View



Rear View

Product Detail



Outlet IEC320 C13

Front Panel

Sensor Ports

Specification > PE8208

	PE8208A	PE8208B	PE8208G	PE8208Z
Electrical				
Nominal Input Voltage	100 – 120 VAC	100 – 240 VAC	100 – 240 VAC	100 – 240 VAC
Maximum Input Current	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)	16A Max (For Australia : 15A)
Input Frequency	50 – 60 Hz			
Input Connection	NEMA 5-20P	NEMA 6-20P	IEC 60320 C20	IEC 60320 C20
Input Power	2400VA(Max); 1920VA(UL de-rated)	4160VA(Max); 3328VA(UL de-rated)	3680VA(Max)	3680VA(Max)
Outlet Type	Total : 8 x NEMA 5-20R	Total : 7 x IEC320 C13 + 1 x IEC320 C19	Total : 7 x IEC320 C13 + 1 x IEC320 C19	Total : 7 x GB1002 10A+ 1 x GB1002 16A
Nominal Output Voltage	100 – 120 VAC	100 – 240 VAC	100 – 240 VAC	100 – 240 VAC
Maximum Output Current (Outlet)	NEMA 5-20R: 20A(Max); 16A(UL de-rated)	C13: 15A(Max); 12A(UL de-rated) C19: 20A(Max); 16A(UL de-rated)	C13: 10A(Max) C19: 16A(Max)	GB1002 : 16A(Max) GB1002 : 10A(Max)
Maximum Output Current (Bank)	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)	16A(Max)
Maximum Output Current (Total)	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)	16A(Max)
Breakers	1 x 20A Non-Fuse Breaker	1 x 20A Non-Fuse Breaker	1 x 16A Non-Fuse Breaker	1 x 16A Non-Fuse Breaker
Metering	Outlet level Current, Voltage, VA , PF and KWh Monitoring			
Outlet Switching	Yes			
Environment Sensor Ports	2			
Metering Accuracy	Voltage Range: 100VAC ~ 250VAC +/-1% Power Range: 100W ~ Maximum Capacity +/- 2% Current Range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%			
Physical Properties				
Dimensions (L x W x H)	43.24 x 22.04 x 4.40 cm (17.02 x 8.68 x 1.73 in.)			
Weight	2.84 kg (6.26 lb)			
Power Cord Length	3 m			
Environmental				
Temperature (Operating / Storage)	0 – 50°C / -20 – 60°C			
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing			
Compliance				
EMC Verification	FCC, Others by Request	FCC, Others by Request	CE, Others by Request	CE, Others by Request
Safety Verification	TUV-CB, cTUVus, Others by Request	TUV-CB, cTUVus, Others by Request	TUV-CB, CE-LVD, EAC, Others by Request	CE-LVD, Others by Request

Product Overview (PE8208A)



Front View



Rear View

Product Detail



Outlet NEMA 5-20R

Front Panel

Sensor Ports

Product Overview (PE8208B / PE8208G)



Front View



Rear View

Product Detail



Outlet IEC320 C19
Outlet IEC320 C13

Front Panel

Sensor Ports



PE5221T / PE5224T / PE5316
PE5324 / PE5324T / PE5342T
• Bank level power status measurement

PE6216 / PE6324 / PE6324L
• Remote power control
• Proactive overload protection
• Bank level power status measurement

PE7216 / PE7324
• Bank and outlet level power status measurement
• Door sensor support

PE8216 / PE8324
• Remote power control
• Proactive overload protection
• Bank and outlet level power status measurement
• Door sensor support

Power Distribution

- Space saving rack mount design with rear mounting
- IEC or NEMA outlet models
- 3 x 7-segment front panel LED shows Current / IP Address / Bank
- Remote users can monitor PDU/Bank status via web browser
- Safe shutdown support (PE6/ PE8 only)
- Separate power for the unit and its power outlets – the user interface is still accessible even when an overload trips the circuit breakers

Remote Access

- Remote power control over TCP/IP via built-in 10/100 Ethernet port (PE6 / PE8 only)
- Network Protocols: TCP/IP, UDP, HTTP, HTTPS, SSL, SMTP, DHCP, NTP, DNS, auto sense, Ping, Telnet
- Supports SNMP Manager V1, V2 & V3

Operation

- Remote power control (On, Off, Power Cycle) by individual outlet (PE6 / PE8 only)
- Multiple power control methods – Wake on LAN, System After AC Back, Kill the Power (PE6 / PE8 only)
- Power-on sequencing – set the sequence and time delay for each outlet to power-on equipment in the correct order (PE6 / PE8 only)
- Proactive Overload Protection (POP) automatically powers off outlets during current overloads to protect connected devices (PE6 / PE8 only)
- Easy setup and operation via browser-based interface
- Multibrowser support (IE, Mozilla, Firefox, Chrome, Safari, Opera, Netscape)
- RTC support to keep the clock/timer running without power
- Up to 8 user accounts and 1 administrator account

Management

- Power status measurement at the bank level (PE5 / PE6), or bank and outlet level (PE7 / PE8)
- LED indicators for current and IP address
- Real-time aggregate current, voltage, and power and power dissipation displayed in a browser-based UI for monitoring
- Environment monitoring via external sensors for rack temperature and humidity readings and alerts
- Current, voltage, power dissipation, energy consumption, temperature and humidity threshold settings
- Supports naming of outlets
- Event logging and syslog support
- Supports Management Information Base (MIB) files for SNMP
- Upgradeable firmware
- Supports Door Sensor (PE7 / PE8 only)
- Multilingual support: English, Traditional Chinese, Simplified Chinese, Japanese, German, Italian, Spanish, French, Russian

Security

- Two-level password security
- Security features include password protection advanced encryption technologies – 128 bit SSL
- Remote authentication support: RADIUS

Hardware Design

- Thin form factor offers 8% more space in the rack to increase airflow, cooling efficiency and easier maintenance.

Note: Product information is subject to change without prior notification.

IEC System

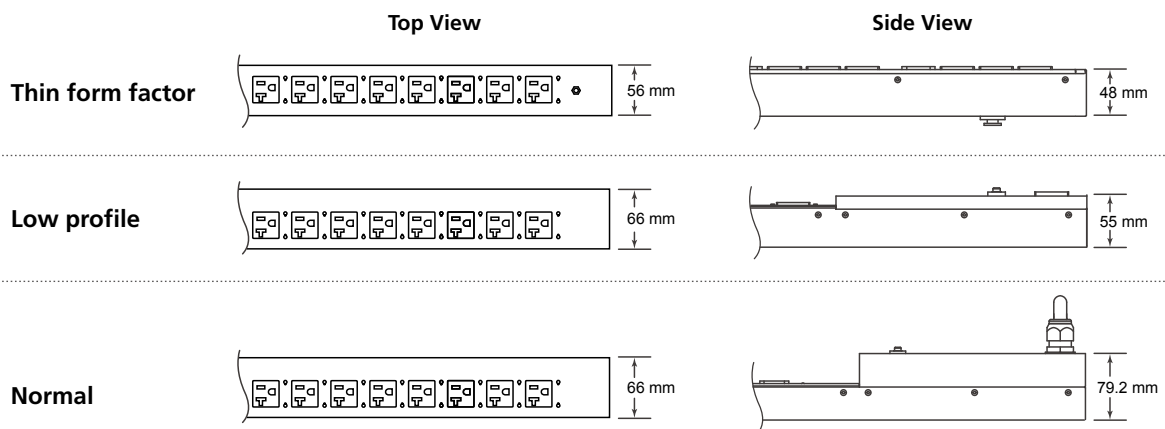
Model	Rack Space	Input Voltage	(Max) AMP	Input Plug	# of Banks	Outlets	Outlet Control	Metering Level
PE5221T**	0U	100-240V	16A	IEC 60320 C20	1 x 16A	18 x IEC320 C13 + 3 x IEC320 C19	None	Bank
PE5316	0U	100-240V	32A	IEC 60309 32A	2 x 16A	6 x IEC320 C13 + 10 x IEC320 C19	None	Bank
PE5324G	0U	100-240V	32A	IEC 60309 32A	2 x 16A	21 x IEC320 C13 + 3 x IEC320 C19	None	Bank
PE5342TG**	0U	100-240V	32A	IEC 60309 32A	2 x 16A	36 x IEC320 C13 + 6 x IEC320 C19	None	Bank
PE6216G	0U	100-240V	16A	IEC 60320 C20	1 x 16A	14 x IEC320 C13 + 2 x IEC320 C19	Yes	Bank
PE6324LG*	0U	100-240V	32A	IEC 60309 32A	2 x 16A	21 x IEC320 C13 + 3 x IEC320 C19	Yes	Bank
PE7216G	0U	100-240V	16A	IEC 60320 C20	1 x 16A	14 x IEC320 C13 + 2 x IEC320 C19	None	Outlet
PE7324G	0U	100-240V	32A	IEC 60309 32A	2 x 16A	21 x IEC320 C13 + 3 x IEC320 C19	None	Outlet
PE8216G	0U	100-240V	16A	IEC 60320 C20	1 x 16A	14 x IEC320 C13 + 2 x IEC320 C19	Yes	Outlet
PE8324G	0U	100-240V	32A	IEC 60309 32A	2 x 16A	21 x IEC320 C13 + 3 x IEC320 C19	Yes	Outlet
PE8324G2	0U	100-240V	32A	IEC 60309 32A	2 x 16A	6 x IEC320 C13 + 18 x IEC320 C19	Yes	Outlet
PE8324G3	0U	100-240V	32A	IEC 60309 32A	2 x 16A	18 x IEC320 C13 + 6 x IEC320 C19	Yes	Outlet

NEMA System

Model	Rack Space	Input Voltage	(Max) AMP	Input Plug	# of Banks	Outlets	Outlet Control	Metering Level
PE5221T**	0U	100-240V	20A	NEMA 6-20P	1 x 20A	18 x IEC320 C13 + 3 x IEC320 C19	None	Bank
PE5224TA	0U	100-120V	20A	NEMA 5-20P	1 x 20A	24 x NEMA 5-20R	None	Bank
PE5324TA**	0U	100-120V	30A	NEMA L5-30P	2 x 15A	24 x NEMA 5-20R	None	Bank
PE5342TB	0U	100-240V	30A	NEMA L6-30P	2 x 16A	36 x IEC320 C13 + 6 x IEC320 C19	None	Bank
PE6216A	0U	100-120V	20A	NEMA 5-20P	1 x 20A	14 x NEMA 5-15R + 2 x NEMA 5-20R	Yes	Bank
PE6216B	0U	100-240V	20A	NEMA 6-20P	1 x 20A	14 x IEC320 C13 + 2 x IEC320 C19	Yes	Bank
PE6324B	0U	100-240V	30A	NEMA L6-30P	2 x 15A	21 x IEC320 C13 + 3 x IEC320 C19	Yes	Bank
PE6324LB*	0U	100-240V	30A	NEMA L6-30P	2 x 15A	21 x IEC320 C13 + 3 x IEC320 C19	Yes	Bank
PE7216B	0U	100-240V	20A	NEMA 6-20P	1 x 20A	14 x IEC320 C13 + 2 x IEC320 C19	None	Outlet
PE7324B	0U	100-240V	30A	NEMA L6-30P	2 x 16A	21 x IEC320 C13 + 3 x IEC320 C19	None	Outlet
PE8216B	0U	100-240V	20A	NEMA 6-20P	1 x 20A	14 x IEC320 C13 + 2 x IEC320 C19	Yes	Outlet
PE8324A	0U	100-120V	30A	NEMA L5-30P	2 x 15A	24 x NEMA 5-15R	Yes	Outlet
PE8324B	0U	100-240V	30A	NEMA L6-30P	2 x 15A	21 x IEC320 C13 + 3 x IEC320 C19	Yes	Outlet

* Low profile dimension.

** Thin form factor.



Specification > PE5221T

	PE5221T
Electrical	
Nominal Input Voltage	100 – 240 VAC
Maximum Input Current	16A(Max)
Input Frequency	50 – 60 Hz
Input Connection	For B Plug: NEMA 6-20P For G Plug: IEC 60320 C20
Input Power	3680VA(Max)
Outlet Type	Total: 18 x IEC320 C13 + 3 x IEC320 C19
Nominal Output Voltage	100 – 240 VAC
Maximum Output Current (Outlet)	For B Plug: C13: 12A C19: 16A For G Plug: C13: 10A C19: 16A
Maximum Output Current (Bank)	16A(Max)
Maximum Output Current (Total)	16A(Max)
Metering	Bank Level Current, Voltage, VA , PF and kWh Monitoring
Outlet Switching	None
Environment Sensor Ports	2
Metering Accuracy	Voltage Range: 100VAC ~ 250VAC +/-1% Power Range: 100W ~ Maximum Capacity +/- 2% Current Range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%
Physical Properties	
Dimensions (L x W x H)	90.20 x 5.60 x 4.80 cm (35.51 x 2.2 x 1.89 in.)
Weight	2.34 kg (5.15 lb)
Power Cord Length	3 m
Environmental	
Temperature (Operating / Storage)	For B Plug: 0 – 50°C / -20 – 60°C For G Plug: 0 – 40°C / -20 – 60°C
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing
Compliance	
EMC Verification	CE, FCC, J55022 Others by Request
Safety Verification	CE-LVD, PSE, Others by Request

Product Overview (PE5221T)



Product Detail



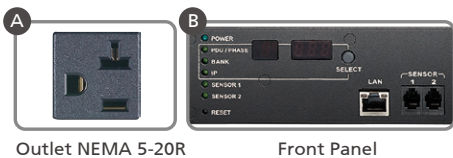
Specification > PE5224T

	PE5224TA
Electrical	
Nominal Input Voltage	100 – 120 VAC
Maximum Input Current	20A(Max)
Input Frequency	50 – 60 Hz
Input Connection	NEMA 5-20P
Input Power	2400VA(Max)
Outlet Type	Total: 24 x NEMA 5-20R Bank1: Outlet 1 – 12; 12 x NEMA 5-20R Bank2: Outlet 13 – 24; 12 x NEMA 5-20R
Nominal Output Voltage	100 – 120 VAC
Maximum Output Current (Outlet)	NEMA 5-20R: 20A(Max)
Maximum Output Current (Bank)	20A(Max)
Maximum Output Current (Total)	20A(Max)
Metering	Bank Level Current, Voltage, VA , PF and kWh Monitoring
Outlet Switching	None
Environment Sensor Ports	2
Metering Accuracy	Voltage Range: 100VAC ~ 250VAC +/-1% Power Range: 100W ~ Maximum Capacity +/- 2% Current Range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%
Physical Properties	
Dimensions (L x W x H)	177.50 x 5.60 x 4.80 cm (69.88 x 2.2 x 1.89 in.)
Weight	3.93 kg (8.66 lb)
Power Cord Length	3 m
Environmental	
Temperature (Operating / Storage)	0 – 50°C / -20 – 60°C
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing
Compliance	
EMC Verification	FCC, J55022, Others by Request
Safety Verification	PSE, Others by Request

Product Overview (PE5224TA)



Product Detail



Outlet NEMA 5-20R

Front Panel

Specification > PE5316

	PE5316G	PE5316X
Electrical		
Nominal Input Voltage	100 – 240 VAC	
Maximum Input Current	32A(Max)	
Input Frequency	50 – 60 Hz	
Input Connection	IEC 60309 32A	Terminal Block
Input Power	7360VA(Max)	
Outlet Type	Total: 6 x IEC320 C13 + 10 x IEC320 C19	
Nominal Output Voltage	100 – 240 VAC	
Maximum Output Current (Outlet)	C13: 10A(Max) C19: 16A(Max)	
Maximum Output Current (Bank)	16A(Max)	
Maximum Output Current (Total)	32A(Max)	
Breakers	2 x 16A Air Switch	
Metering	Bank Level Current, Voltage, VA , PF and kWh Monitoring	
Outlet Switching	None	
Environment Sensor Ports	2	
Metering Accuracy	Voltage Range: 100VAC ~ 250VAC +/-1% Power Range: 100W ~ Maximum Capacity +/- 2% Current Range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%	
Physical Properties		
Dimensions (L x W x H)	148.00 x 5.60 x 4.80 cm (58.27 x 2.2 x 1.89 in.)	
Weight	3.98 kg (8.77 lb)	
Power Cord Length	3m	NA
Environmental		
Temperature (Operating / Storage)	0 – 40°C* / -20 – 60°C	
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing	
Compliance		
EMC Verification	CE, Others by Request	
Safety Verification	CE-LVD, Others by Request	

*When the environmental temperature comes close to 40 degrees, it is recommended to lower the load to 60% to comply to the safety regulations.

Product Overview (PE5316)



Product Detail



Specification > PE5324

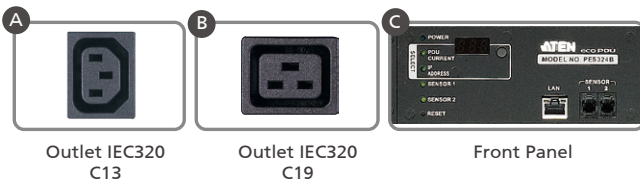
PE5324G	
Electrical	
Nominal Input Voltage	100 – 240 VAC
Maximum Input Current	32A(Max)
Input Frequency	50 – 60 Hz
Input Connection	IEC 60309 32A
Input Power	7360VA(Max)
Outlet Type	Total: 21 x IEC320 C13 + 3 x IEC320 C19 Bank1-1: Outlet 1 – 8; 7 x C13 + 1 x C19 Bank1-2: Outlet 9 – 16; 7 x C13 + 1 x C19 Bank2: Outlet 17 – 24; 7 x C13 + 1 x C19
Nominal Output Voltage	100 – 240 VAC
Maximum Output Current (Outlet)	C13: 10A(Max) C19: 16A(Max)
Maximum Output Current (Bank)	16A(Max)
Maximum Output Current (Total)	32A(Max)
Breakers	2 x 16A UL489 Breaker
Metering	Bank Level Current, Voltage, VA , PF and kWh Monitoring
Outlet Switching	None
Environment Sensor Ports	2
Metering Accuracy	Voltage Range: 100VAC ~ 250VAC +/-1% Power Range: 100W ~ Maximum Capacity +/- 2% Current Range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%
Physical Properties	
Dimensions (L x W x H)	177.50 x 6.60 x 4.40 cm (69.88 x 2.6 x 1.73 in.)
Weight	5.82 kg (12.82 lb)
Power Cord Length	1.6 m
Environmental	
Temperature (Operating / Storage)	0 – 40°C* / -20 – 60°C
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing
Compliance	
EMC Verification	CE, C-Tick, Others by Request
Safety Verification	TUV-CB, EAC, Others by Request

*When the environmental temperature comes close to 40 degrees, it is recommended to lower the load to 60% to comply to the safety regulations.

Product Overview (PE5324B / PE5324G)



Product Detail



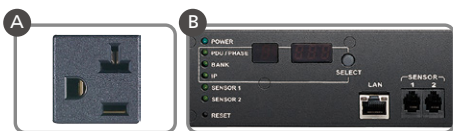
Specification > PE5324T

PE5324TA	
Electrical	
Nominal Input Voltage	100 – 120 VAC
Maximum Input Current	30A(Max)
Input Frequency	50 – 60 Hz
Input Connection	NEMA L5-30P
Input Power	3600VA(Max)
Outlet Type	Total: 24 x NEMA 5-20R Bank1: Outlet 1 – 12; 12 x NEMA 5-20R Bank2: Outlet 13 – 24; 12 x NEMA 5-20R
Nominal Output Voltage	100 – 120 VAC
Maximum Output Current (Outlet)	NEMA 5-20R: 15A(Max)
Maximum Output Current (Bank)	15A(Max)
Maximum Output Current (Total)	30A(Max)
Metering	Bank Level Current, Voltage, VA , PF and kWh Monitoring
Outlet Switching	None
Environment Sensor Ports	2
Metering Accuracy	Voltage Range: 100VAC ~ 250VAC +/-1% Power Range: 100W ~ Maximum Capacity +/- 2% Current Range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%
Physical Properties	
Dimensions (L x W x H)	177.50 x 5.60 x 4.80 cm (69.88 x 2.2 x 1.89 in.)
Weight	4.95 kg (10.9 lb)
Power Cord Length	3 m
Environmental	
Temperature (Operating / Storage)	0 – 50°C / -20 – 60°C
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing
Compliance	
EMC Verification	FCC, J55022, Others by Request
Safety Verification	PSE, Others by Request

Product Overview (PE5324TA)



Product Detail



Outlet NEMA 5-20R

Front Panel

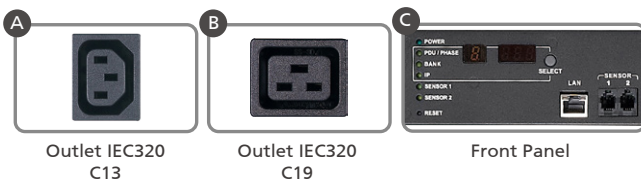
Specification > PE5342T

	PE5342TB	PE5342TG
Electrical		
Nominal Input Voltage	100 – 240 VAC	
Maximum Input Current	30A(Max)	32A(Max)
Input Frequency	50 – 60 Hz	
Input Connection	NEMA L6-30P	IEC 60309 32A
Input Power	6240VA(Max)	7360VA(Max)
Outlet Type	Total: 36 x IEC320 C13 + 6 x IEC320 C19 Bank1: Outlet 1 – 21; 18 x C13 + 3 x C19 Bank2: Outlet 22 – 42; 18 x C13 + 3 x C19	
Nominal Output Voltage	100 – 240 VAC	
Maximum Output Current (Outlet)	C13: 15A(Max) C19: 15A(Max)	C13: 10A(Max) C19: 16A(Max)
Maximum Output Current (Bank)	15A(Max)	16A(Max)
Maximum Output Current (Total)	30A(Max)	32A(Max)
Breakers	2 x 16A Slim Breaker	
Metering	Bank Level Current, Voltage, VA , PF and kWh Monitoring	
Outlet Switching	None	
Environment Sensor Ports	2	
Metering Accuracy	Voltage Range: 100VAC ~ 250VAC +/-1% Power Range: 100W ~ Maximum Capacity +/- 2% Current Range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%	
Physical Properties		
Dimensions (L x W x H)	177.50 x 5.60 x 4.80 cm (69.88 x 2.2 x 1.89 in.)	
Weight	6.01 kg (13.24 lb)	5.57 kg (12.27 lb)
Power Cord Length	3 m	
Environmental		
Temperature (Operating / Storage)	0 – 50°C / -20 – 60°C	0 – 40°C / -20 – 60°C
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing	
Compliance		
EMC Verification	FCC, J55022, Others by Request	CE, Others by Request
Safety Verification	PSE, Others by Request	CE-LVD, Others by Request

Product Overview (PE5342TB / PE5342TG)



Product Detail



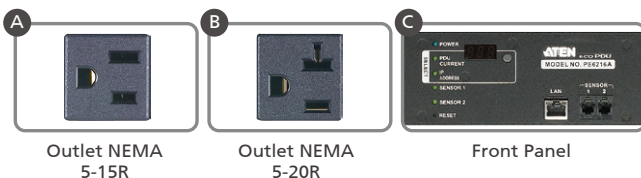
Specification > PE6216

	PE6216A	PE6216B	PE6216G
Electrical			
Nominal Input Voltage	100 – 120 VAC	100 – 240 VAC	100 – 240 VAC
Maximum Input Current	20A(Max)	20A(Max)	16A(Max)
Input Frequency	50 – 60 Hz		
Input Connection	NEMA 5-20P	NEMA 6-20P	IEC 60320 C20
Input Power	2400VA(Max)	4160VA(Max)	3680VA(Max)
Outlet Type	Total: 14 x NEMA 5-15R + 2 x NEMA 5-20R Bank1-1: Outlet 1 – 8; 7 x NEMA 5-15R + 1 x NEMA 5-20R Bank1-2: Outlet 9 – 16; 7 x NEMA 5-15R + 1 x NEMA 5-20R	Total: 14 x IEC320 C13 + 2 x IEC320 C19 Bank1-1: Outlet 1 – 8; 7 x C13 + 1 x C19 Bank1-2: Outlet 9 – 16; 7 x C13 + 1 x C19	Total: 14 x IEC320 C13 + 2 x IEC320 C19 Bank1-1: Outlet 1 – 8; 7 x C13 + 1 x C19 Bank1-2: Outlet 9 – 16; 7 x C13 + 1 x C19
Nominal Output Voltage	100 – 120 VAC	100 – 240 VAC	100 – 240 VAC
Maximum Output Current (Outlet)	NEMA 5-15R: 15A(Max) NEMA 5-20R: 20A(Max)	C13: 15A(Max) C19: 20A(Max)	C13: 10A(Max) C19: 16A(Max)
Maximum Output Current (Total)	20A(Max)	20A(Max)	16A(Max)
Maximum Output Current (Bank)	20A(Max)	20A(Max)	16A(Max)
Breakers	1 x 20A Non-Fuse Breaker	1 x 20A Non-Fuse Breaker	1 x 16A Non-Fuse Breaker
Metering	Bank Level Current, Voltage, VA , PF and kWh Monitoring		
Outlet Switching	Yes		
Environment Sensor Ports	2		
Metering Accuracy	Voltage Range: 100VAC ~ 250VAC +/-1% Power Range: 100W ~ Maximum Capacity +/- 2% Current Range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%		
Physical Properties			
Dimensions (L x W x H)	132.48 x 6.60 x 4.40 cm (52.16 x 2.6 x 1.73 in.)		
Weight	3.73 kg (8.22 lb)		
Power Cord Length	3 m		
Environmental			
Temperature (Operating / Storage)	0 – 50°C / -20 – 60°C	0 – 50°C / -20 – 60°C	0 – 40°C / -20 – 60°C
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing		
Compliance			
EMC Verification	FCC, Others by Request	FCC, Others by Request	CE, C-Tick, Others by Request
Safety Verification	cTUVus, PSE, Others by Request	cTUVus, PSE, Others by Request	TUV-CB, EAC, Others by Request

Product Overview (PE6216A)



Product Detail



Product Overview (PE6216B / PE6216G)



Product Detail



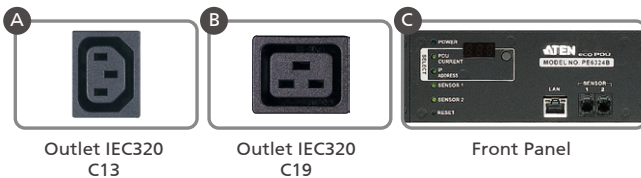
Specification > PE6324

PE6324B	
Electrical	
Nominal Input Voltage	100 – 240 VAC
Maximum Input Current	30A(Max)
Input Frequency	50 – 60 Hz
Input Connection	For B plug: NEMA L6-30P
Input Power	6240VA(Max)
Outlet Type	Total: 21 x IEC320 C13 + 3 x IEC320 C19 Bank1-1: Outlet 1 – 8; 7 x C13 + 1 x C19 Bank1-2: Outlet 9 – 16; 7 x C13 + 1 x C19 Bank2: Outlet 17 – 24; 7 x C13 + 1 x C19
Nominal Output Voltage	100 – 240 VAC
Maximum Output Current (Outlet)	C13: 15A(Max) C19: 15A(Max)
Maximum Output Current (Bank)	15A(Max)
Maximum Output Current (Total)	30A(Max)
Breakers	2 x 16A UL489 Breaker
Metering	Bank Level Current, Voltage, VA , PF and kWh Monitoring
Outlet Switching	Yes
Environment Sensor Ports	2
Metering Accuracy	Voltage Range: 100VAC ~ 250VAC +/-1% Power Range: 100W ~ Maximum Capacity +/- 2% Current Range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%
Physical Properties	
Dimensions (L x W x H)	177.50 x 6.60 x 4.40 cm (69.88 x 2.6 x 1.73 in.)
Weight	6.12 kg (13.48 lb)
Power Cord Length	1.6 m
Environmental	
Temperature (Operating / Storage)	0 – 50°C / -20 – 60°C
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing
Compliance	
EMC Verification	FCC, Others by Request
Safety Verification	cTUVus, PSE, Others by Request

Product Overview (PE6324B / PE6324G)



Product Detail



Specification > PE6324L

	PE6324LB	PE6324LG
Electrical		
Nominal Input Voltage	100 – 240 VAC	
Maximum Input Current	30A(Max)	32A(Max)
Input Frequency	50 – 60 Hz	
Input Connection	NEMA L6-30P	IEC 60309 32A
Input Power	6240VA(Max)	7360VA(Max)
Outlet Type	Total: 21 x IEC320 C13 + 3 x IEC320 C19 Bank1-1: Outlet 1 – 8; 7 x C13 + 1 x C19 Bank1-2: Outlet 9 – 16; 7 x C13 + 1 x C19 Bank2: Outlet 17 – 24; 7 x C13 + 1 x C19	
Nominal Output Voltage	100 – 240 VAC	
Maximum Output Current (Outlet)	C13: 15A(Max) C19: 15A(Max)	C13: 10A(Max) C19: 16A(Max)
Maximum Output Current (Bank)	15A(Max)	16A(Max)
Maximum Output Current (Total)	30A(Max)	32A(Max)
Breakers	2 x 16A Slim Breaker	
Metering	Bank Level Current, Voltage, VA , PF and kWh Monitoring	
Outlet Switching	Yes	
Environment Sensor Ports	2	
Metering Accuracy	Voltage Range: 100VAC ~ 250VAC +/-1% Power Range: 100W ~ Maximum Capacity +/- 2% Current Range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%	
Physical Properties		
Dimensions (L x W x H)	177.50 x 6.60 x 4.40 cm (69.88 x 2.6 x 1.73 in.)	
Weight	5.76 kg (12.69 lb)	
Power Cord Length	1.6 m	
Environmental		
Temperature (Operating / Storage)	0 – 50°C / -20 – 60°C	0-40°C* / -20-60°C
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing	
Compliance		
EMC Verification	FCC, Others by Request	CE, C-Tick, Others by Request
Safety Verification	By Request	CE-LVD, Others by Request

*When the environmental temperature comes close to 40 degrees, it is recommended to lower the load to 60% to comply to the safety regulations.

Product Overview (PE6324LB / PE6324LG)



Product Detail



Specification > PE7216

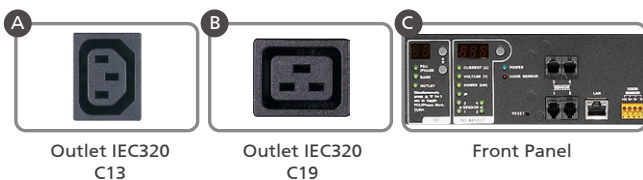
	PE7216B	PE7216G
Electrical		
Nominal Input Voltage	100 – 240 VAC	
Maximum Input Current	20A(Max);16A(UL de-rated)	16A(Max)
Input Frequency	50 – 60 Hz	
Input Connection	NEMA 6-20P	IEC 60320 C20
Input Power	4160VA(Max); 3328VA(UL de-rated)	3680VA(Max)
Outlet Type	Total: 14 x IEC320 C13 + 2 x IEC320 C19 Bank1-1: Outlet 1 – 8; 7 x C13 + 1 x C19 Bank1-2: Outlet 9 – 16; 7 x C13 + 1 x C19	
Nominal Output Voltage	100 – 240 VAC	
Maximum Output Current (Outlet)	C13: 15A(Max);12A(UL de-rated) C19: 20A(Max);16A(UL de-rated)	C13: 10A(Max) C19: 16A(Max)
Maximum Output Current (Bank)	20A(Max);16A(UL de-rated)	16A(Max)
Maximum Output Current (Total)	20A(Max);16A(UL de-rated)	16A(Max)
Breakers	1 x 20A Non-Fuse breaker	1 x 16A Non-Fuse breaker
Metering	Outlet Level Current, Voltage, VA, PF, KWh Monitoring	
Outlet Switching	None	
Environment Sensor Ports	4	
Metering Accuracy	Voltage Range: 100VAC ~ 250VAC +/-1% Power Range: 100W ~ Maximum Capacity +/- 2% Current Range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%	
Physical Properties		
Dimensions (L x W x H)	132.48 x 6.60 x 4.40 cm (52.16 x 2.6 x 1.73 in.)	
Weight	3.70 kg (8.15 lb)	
Power Cord Length	1.6 m	
Environmental		
Temperature (Operating / Storage)	0 – 50°C / -20 – 60°C	0 – 40°C* / -20 – 60°C
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing	
Compliance		
EMC Verification	FCC Part 15 Class A, Others by Request	CE, Others by Request
Safety Verification	TUV-CB, Others by Request	TUV-CB, CE-LVD, Others by Request

*When the environmental temperature comes close to 40 degrees, it is recommended to lower the load to 60% to comply to the safety regulations.

Product Overview (PE7216B / PE7216G)



Product Detail



Specification > PE7324

	PE7324B	PE7324G
Electrical		
Nominal Input Voltage	100 – 240 VAC	
Maximum Input Current	30A(Max); 24A(UL de-rated)	32A(Max)
Input Frequency	50 – 60 Hz	
Input Connection	NEMA L6-30P	IEC 60309 32A
Input Power	6240VA(Max); 4992VA(UL de-rated)	7360VA(Max)
Outlet Type	Total: 21 x IEC320 C13 + 3 x IEC320 C19 Bank1-1: Outlet 1 – 8; 7 x C13 + 1 x C19 Bank1-2: Outlet 9 – 16; 7 x C13 + 1 x C19 Bank2: Outlet 17 – 24; 7 x C13 + 1 x C19	
Nominal Output Voltage	100 – 240 VAC	
Maximum Output Current (Outlet)	C13: 15A(Max); 12A(UL de-rated) C19: 15A(Max); 12A(UL de-rated)	C13: 10A(Max) C19: 16A(Max)
Maximum Output Current (Bank)	15A(Max); 12A(UL de-rated)	16A(Max)
Maximum Output Current (Total)	30A(Max); 24A(UL de-rated)	32A(Max)
Breakers	2 x 16A UL489 Breaker	
Metering	Outlet Level Current, Voltage, VA , PF and kWh Monitoring	
Outlet Switching	None	
Environment Sensor Ports	4	
Metering Accuracy	Voltage Range: 100VAC ~ 250VAC +/-1% Power Range: 100W ~ Maximum Capacity +/- 2% Current Range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%	
Physical Properties		
Dimensions (L x W x H)	177.50 x 6.60 x 4.40 cm (69.88 x 2.6 x 1.73 in.)	
Weight	6.09 kg (13.41 lb)	
Power Cord Length	1.6 m	
Environmental		
Temperature (Operating / Storage)	0 – 50°C / -20 – 60°C	0 – 40°C* / -20 – 60°C
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing	
Compliance		
EMC Verification	FCC, Others by Request	CE, C-Tick, Others by Request
Safety Verification	PSE, Others by Request	EAC, Others by Request

*When the environmental temperature comes close to 40 degrees, it is recommended to lower the load to 60% to comply to the safety regulations.

Product Overview (PE7324B / PE7324G)



Product Detail



Specification > PE8216

	PE8216B	PE8216G
Electrical		
Nominal Input Voltage	100 – 240 VAC	
Maximum Input Current	20A(Max);16A(UL de-rated)	16A(Max)
Input Frequency	50 – 60 Hz	
Input Connection	NEMA 6-20P	IEC 60320 C20
Input Power	4160VA(Max); 3328VA(UL de-rated)	3680VA(Max)
Outlet Type	Total: 14 x IEC320 C13 + 2 x IEC320 C19 Bank1-1: Outlet 1 – 8; 7 x C13 + 1 x C19 Bank1-2: Outlet 9 – 16; 7 x C13 + 1 x C19	
Nominal Output Voltage	100 – 240 VAC	
Maximum Output Current (Outlet)	C13: 15A(Max);12A(UL de-rated) C19: 20A(Max);16A(UL de-rated)	C13: 10A(Max) C19: 16A(Max)
Maximum Output Current (Bank)	20A(Max);16A(UL de-rated)	16A(Max)
Maximum Output Current (Total)	20A(Max);16A(UL de-rated)	16A(Max)
Breakers	1 x 20A Non-Fuse breaker	1 x 16A Non-Fuse breaker
Metering	Outlet Level Current, Voltage, VA, PF, KWh Monitoring	
Outlet Switching	Yes	
Environment Sensor Ports	4	
Metering Accuracy	Voltage Range: 100VAC ~ 250VAC +/-1% Power Range: 100W ~ Maximum Capacity +/- 2% Current Range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%	
Physical Properties		
Dimensions (L x W x H)	132.48 x 6.60 x 4.40 cm (52.16 x 2.6 x 1.73 in.)	
Weight	3.88 kg (8.55 lb)	
Power Cord Length	3 m	
Environmental		
Temperature (Operating / Storage)	0 – 50°C / -20 – 60°C	0 – 40°C* / -20 – 60°C
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing	
Compliance		
EMC Verification	FCC Part 15 Class A, Others by Request	CE, Others by Request
Safety Verification	TUV-CB, Others by Request	TUV-CB, CE-LVD, Others by Request

*When the environmental temperature comes close to 40 degrees, it is recommended to lower the load to 60% to comply to the safety regulations.

Product Overview (PE8216B / PE8216G)



Product Detail



Specification > PE8324

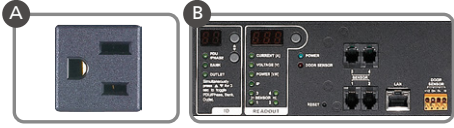
	PE8324A	PE8324B	PE8324G
Electrical			
Nominal Input Voltage	100 – 120 VAC	100 – 240 VAC	100 – 240 VAC
Maximum Input Current	30A(Max);24A(UL de-rated)	30A(Max);24A(UL de-rated)	32A(Max)
Input Frequency	50 – 60 Hz		
Input Connection	NEMA L5-30P	NEMA L6-30P	IEC 60309 32A
Input Power	3600VA(Max); 2880VA(UL de-rated)	6240VA(Max); 4992VA(UL de-rated)	7360VA(Max)
Outlet Type	Total: 24 x NEMA 5-15R Bank1-1: Outlet 1 – 8; 8 x NEMA 5-15R Bank1-2: Outlet 9 – 16; 8 x NEMA 5-15R Bank2: Outlet 17 – 24; 8 x NEMA 5-15R	Total: 21 x IEC320 C13 + 3 x IEC320 C19 Bank1-1: Outlet 1 – 8; 7 x C13 + 1 x C19 Bank1-2: Outlet 9 – 16; 7 x C13 + 1 x C19 Bank2: Outlet 17 – 24; 7 x C13 + 1 x C19	Total: 21 x IEC320 C13 + 3 x IEC320 C19 Bank1-1: Outlet 1 – 8; 7 x C13 + 1 x C19 Bank1-2: Outlet 9 – 16; 7 x C13 + 1 x C19 Bank2: Outlet 17 – 24; 7 x C13 + 1 x C19
Nominal Output Voltage	100 – 120 VAC	100 – 240 VAC	100 – 240 VAC
Maximum Output Current (Outlet)	15A(Max); 12A(UL de-rated)	C13: 15A(Max);12A(UL de-rated) C19: 15A(Max);12A(UL de-rated)	C13: 10A(Max) C19: 16A(Max);
Maximum Output Current (Bank)	20A(Max); 16A(UL de-rated)	20A(Max); 16A(UL de-rated)	16A(Max);
Maximum Output Current (Total)	30A(Max);24A(UL de-rated)	30A(Max);24A(UL de-rated)	32A(Max);
Breakers	2 x 16A UL489 Breaker		
Metering	Outlet Level Current, Voltage, VA, PF, KWh Monitoring		
Outlet Switching	Yes		
Environment Sensor Ports	4		
Metering Accuracy	Voltage Range: 100VAC ~ 250VAC +/-1% Power Range: 100W ~ Maximum Capacity +/- 2% Current Range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%		
Physical Properties			
Dimensions (L x W x H)	177.50 x 6.60 x 4.40 cm (69.88 x 2.6 x 1.73 in.)		
Weight	6.33 kg (13.94 lb)		
Power Cord Length	1.6 m		
Environmental			
Temperature (Operating / Storage)	0 – 50°C / -20 – 60°C	0 – 50°C / -20 – 60°C	0 – 40°C* / -20 – 60°C
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing		
Compliance			
EMC Verification	FCC Part 15 Class A, Others by Request	FCC Part 15 Class A, Others by Request	CE, Others by Request
Safety Verification	By Request	By Request	CE-LVD, Others by Request

*When the environmental temperature comes close to 40 degrees, it is recommended to lower the load to 60% to comply to the safety regulations.

Product Overview (PE8324A)



Product Detail



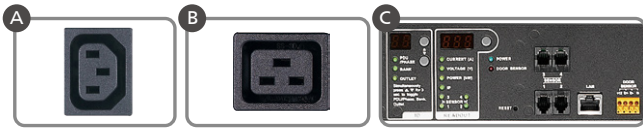
Outlet NEMA 5-15R

Front Panel

Product Overview (PE8324B)



Product Detail



Outlet IEC320 C13

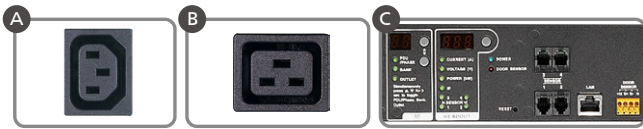
Outlet IEC320 C19

Front Panel

Product Overview (PE8324G)



Product Detail



Outlet IEC320 C13

Outlet IEC320 C19

Front Panel

Specification > PE8324G2 / PE8324G3

	PE8324G2	PE8324G3
Electrical		
Nominal Input Voltage	100 – 240 VAC	
Maximum Input Current	32A(Max)	
Input Frequency	50 – 60 Hz	
Input Connection	IEC 60309 32A	
Input Power	7360VA(Max)	
Outlet Type	Total: 6 x IEC320 C13 + 18 x IEC320 C19 Bank1-1: Outlet 1 – 8; 2 x C13 + 6 x C19 Bank1-2: Outlet 9 – 16; 2 x C13 + 6 x C19 Bank2: Outlet 17 – 24; 2 x C13 + 6 x C19	Total: 18 x IEC320 C13 + 6 x IEC320 C19 Bank1-1: Outlet 1 – 8; 6 x C13 + 2 x C19 Bank1-2: Outlet 9 – 16; 6 x C13 + 2 x C19 Bank2: Outlet 17 – 24; 6 x C13 + 2 x C19
Nominal Output Voltage	100 – 240 VAC	
Maximum Output Current (Outlet)	C13: 10A(Max) C19: 16A(Max)	
Maximum Output Current (Bank)	16A(Max)	
Maximum Output Current (Total)	32A(Max)	
Metering	Outlet Level Current, Voltage, VA, PF, KWh Monitoring	
Outlet Switching	Yes	
Environment Sensor Ports	4	
Metering Accuracy	Voltage Range: 100VAC ~ 250VAC +/-1% Power Range: 100W ~ Maximum Capacity +/- 2% Current Range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%	
Physical Properties		
Dimensions (L x W x H)	177.50 x 6.60 x 4.40 cm (69.88 x 2.6 x 1.73 in.)	
Weight	6.33 kg (13.94 lb)	
Power Cord Length	1.6 m	
Environmental		
Temperature (Operating / Storage)	0 – 40°C / -20 – 60°C	
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing	
Compliance		
EMC Verification	CE, Others by Request	
Safety Verification	CE-LVD, Others by Request	

Product Overview (PE8324G2)



Product Detail



Product Overview (PE8324G3)



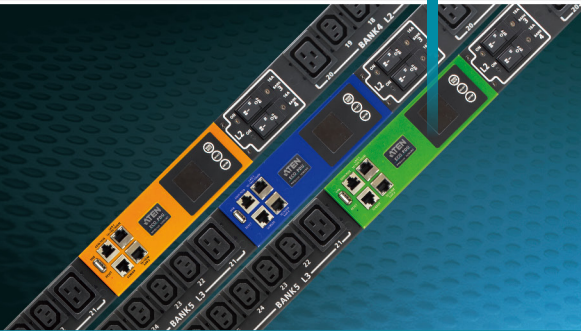
Product Detail



3 Phase eco PDU

Intelligent 0U Rack PDU

PG95230 / PG95330 / PG96230 / PG96330 / PG98230 / PG98330



PE95230 / PE95330
 • 0U, 30-Port PDU
 • Metered

PE98230 / PG98330
 • 0U, 30-Port PDU
 • Metered-Switched by Outlet

PE96230 / PG96330
 • 0U, 30-Port PDU
 • Switched



ATEN's 3 Phase PDU series, including PG95/96/98, available in IEC socket configuration, are designed with 0U rack housing to accommodate the increasing demand for power to high-density IT equipment in server rooms and data centers. Each 3 Phase PDU is equipped with 30 port outlets and is capable of running at higher voltages.

ATEN 3 Phase PDUs are equipped with dual LAN ports for 100M and 1G Ethernet connections and can be cascaded to connect up to 64 PDU units for cost-saving and space-efficient setup. Both LAN ports can be connected to two different networks simultaneously: Internet and Intranet.

Series	Function
PG95	Metered
PG96	Switched
PG98	Metered-Switched by Outlet

In terms of hardware design, ATEN 3 Phase PDUs have built-in energy-efficient relays, a subtype of electromagnetic switch, to help operators control large amounts of current flow, which results in lower energy consumption compared to relay models incapable of energy saving. Less energy consumption means fewer CO2 emissions, reduced electricity expenses, and lower carbon taxes to pay each year. In addition, the equipped energy-efficient relays further ensure stable and uninterrupted power feed to connected devices even when an unexpected failure occurs. ATEN 3 Phase PDU models that support 30A current flow are equipped with a circuit breaker to automatically switch off electricity supply to protect devices from overload or damage.

ATEN 3 Phase PDUs feature LCD console panels that come in five different colors: yellow, red, purple, blue, and green. These colors make it easier to differentiate between power feed settings and also speed up troubleshooting in case of any unexpected failures. The LCD console panel is hot-swappable and can be removed, replaced, or repaired without powering down a mission-critical connected load.



Expandable Installation

Connect up to 64 PDU units with cascading, which involves using the LAN port of a first station PDU switch (one that is above a PDU linked down from it) to connect to the LAN port of a cascaded station PDU.

Network Expandability

Up to 16 PDU units can be daisy chained via LAN port connection and PON port connection to KN series KVM over IP Switches.

Energy Saving

Efficiently manage power thanks to energy-efficient relays, which allow operators to control large amounts of current flow. In addition, power distribution with ATEN 3 Phase PDUs will remain functional and uninterrupted even when a failure occurs, enabling superior uptime to optimize system reliability.

Metering Accuracy

Get the most accurate kWh energy usage data (+/-1%) for better power consumption habits, baselines, and initiative tracking.

Environment Sensors

Connectivity to environment sensors for monitoring and management of temperature, humidity, airflow, differential air pressure, and leaks is also available and features alerts to potential threats.

Networked via WiFi

The PDUs can be networked via connection to a USB WiFi dongle to enable DCIM capability.

USB Peripheral Efficiency

The USB dongle also functions as a flash drive to perform firmware upgrades, log exports, and quick configurations, eliminating the time and cost associated with wired Ethernet connections at each rack.

Serial Communication

PDU configurations via command line interface are also available by establishing an RS-232 or RS-485 connection to a PC.

Secure Locking Enhancement

The attached power cords are built with a secure lock to prevent power cords from becoming unplugged because of vibration or human errors.

DCIM Monitoring

Integration with ATEN's eco DC, a PC- and web-based tool for optimized Data Center Infrastructure Management (DCIM), means that power distribution, energy, and environmental data from PDUs and connected devices can be monitored via a friendly web GUI for smart power management.

Real-time LCD Alert

The illuminating LCD console can send warnings to alert users of any failure occurrence or unusual power state.

Flexible In-Rack Installation

ATEN 3 Phase PDUs also come with a 90-degree rotatable power cord to allow for flexible installation inside the rack, resulting in better cable organization.

Quality Assured Service

With their 3-year warranty and the option to extend to 5 years, ATEN 3 Phase PDUs offer a years-long quality guarantee.

60°C (140°F)

ATEN's 3 Phase PDUs are equipped with a standard 140°F (60°C) temperature rating for reliable performance in dense, high-heat environments.

Advantageous Hardware/Network Specifications:

- 1G Mbit Ethernet Interface
- TCP/IP, UDP, HTTP, HTTPS, SSL, DHCP, SMTP, ARP, NTP, DNS, Auto Sense, Ping, SNMP V1&V2&V3, Telnet, Modbus (over TCP/IP), Wi-Fi, 802.11 a/b/g/n network protocols
- 2-level account/password login access, and IP/MAC filter, TLS 1.2, LDAP, RADIUS, TACACS+ security protocols
- IPv6 and *SMS
- Auto Ping & Reboot (available for PG98/96 series only)
- SMTP/SMTPS protocols TLS 1.2
- *JSON-RPC (Remote Procedure Call) protocol and *Python scripting to control specified PDU unit (ex. Switch On/Off)

*To be included in a future firmware release



Specification > PG95230

	PG95230B	PG95230B2	PG95230G
Electrical			
Nominal Input Voltage	208V 3PH (Star)	208V 3PH (Delta)	400/230V 3PH (Star)
Maximum Input Current	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)
Input Frequency	50 – 60 Hz		
Input Connection	NEMA L21-20P	NEMA L15-20P	IEC 60309 16/20A Red 3P+N+PE
Input Power	7205VA(Max);5764VA (UL de-rated)	7205VA(Max);5764VA (UL de-rated)	11084VA(Max)
Outlet Type	(6) IEC 320 C19+ (24) IEC 320 C13	(6) IEC 320 C19+ (24) IEC 320 C13	(6) IEC 320 C19+ (24) IEC 320 C13
Nominal Output Voltage	208 VAC	208 VAC	230 VAC
Maximum Output Current (Outlet)	C13: 15A(Max);12A (UL de-rated) C19: 20A(Max);16A (UL de-rated)	C13: 15A(Max);12A(UL de-rated) C19: 20A(Max);16A(UL de-rated)	C13:10A(Max) C19:16A(Max)
Breakers	NA		
Metering	Bank level Current, Voltage , PF and KWh Monitoring		
Outlet Switching	No		
Environment Sensor Ports	Yes		
Metering Accuracy	1% *		
Physical Properties			
Power Cord Length	3 m		
Environmental			
Temperature (Operating / Storage)	0 – 60°C / -20 – 60°C		
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing		
Compliance			
EMC Verification	FCC	FCC	CE, EMC
Safety Verification	UL, PSE	UL, PSE	CE
Warranty	3 Years		

Specification > PG95330

	PG95330B	PG95330B2	PG95330G
Electrical			
Nominal Input Voltage	208V 3PH (Star)	208V 3PH (Delta)	400/230V 3PH (Star)
Maximum Input Current	30A(Max);24A(UL de-rated)	30A(Max);24A(UL de-rated)	32A(Max)
Input Frequency	50 – 60 Hz		
Input Connection	NEMA L21-30P	NEMA L15-30P	IEC 309 32A Red 3P+N+E
Input Power	10808VA(Max); 8646VA(UL de-rated)	10808VA(Max); 8646VA(UL de-rated)	22170VA(Max)
Outlet Type	(6) IEC 320 C19+ (24) IEC 320 C13	(6) IEC 320 C19+ (24) IEC 320 C13	(6) IEC 320 C19+ (24) IEC 320 C13
Nominal Output Voltage	208 VAC	208 VAC	230 VAC
Maximum Output Current (Outlet)	C13: 15A(Max);12A(UL de-rated) C19: 20A(Max);16A(UL de-rated)	C13: 15A(Max);12A(UL de-rated) C19: 20A(Max);16A(UL de-rated)	C13:10A(Max) C19:16A(Max)
Breakers	3xUL489(2P)-20A	3xUL489(2P)-20A	6xUL489(1P)-16A
Metering	Bank level Current, Voltage , PF and KWh Monitoring		
Outlet Switching	No		
Environment Sensor Ports	Yes		
Metering Accuracy	1%*		
Physical Properties			
Power Cord Length	3 m		
Environmental			
Temperature (Operating / Storage)	0 – 60°C / -20 – 60°C		
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing		
Compliance			
EMC Verification	FCC	FCC	CE, EMC
Safety Verification	UL, PSE	UL, PSE	CE
Warranty	3 Years		

Specification > PG96230

	PG96230B	PG96230B2	PG96230G
Electrical			
Nominal Input Voltage	208V 3PH (Star)	208V 3PH (Delta)	400/230V 3PH (Star)
Maximum Input Current	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)
Input Frequency	50 – 60 Hz		
Input Connection	NEMA L21-20P	NEMA L15-20P	IEC 60309 16/20A Red 3P+N+PE
Input Power	7205VA(Max);5764VA (UL de-rated)	7205VA(Max);5764VA (UL de-rated)	11084VA(Max)
Outlet Type	(6) IEC 320 C19+ (24) IEC 320 C13	(6) IEC 320 C19+ (24) IEC 320 C13	(6) IEC 320 C19+ (24) IEC 320 C13
Nominal Output Voltage	208 VAC	208 VAC	230 VAC
Maximum Output Current (Outlet)	C13: 15A(Max);12A (UL de-rated) C19: 20A(Max);16A (UL de-rated)	C13: 15A(Max);12A(UL de-rated) C19: 20A(Max);16A(UL de-rated)	C13:10A(Max) C19:16A(Max)
Breakers	NA		
Metering	Bank level Current, Voltage , PF and KWh Monitoring		
Outlet Switching	Yes		
Environment Sensor Ports	Yes		
Metering Accuracy	1% *		
Physical Properties			
Power Cord Length	3 m		
Environmental			
Temperature (Operating / Storage)	0 – 60°C / -20 – 60°C		
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing		
Compliance			
EMC Verification	FCC	FCC	CE, EMC
Safety Verification	UL, PSE	UL, PSE	CE
Warranty	3 Years		

Specification > PG96330

	PG96330B	PG96330B2	PG96330G
Electrical			
Nominal Input Voltage	208V 3PH (Star)	208V 3PH (Delta)	400/230V 3PH (Star)
Maximum Input Current	30A(Max);24A(UL de-rated)	30A(Max);24A(UL de-rated)	32A(Max)
Input Frequency	50 – 60 Hz		
Input Connection	NEMA L21-30P	NEMA L15-30P	IEC 309 32A Red 3P+N+E
Input Power	10808VA(Max); 8646VA(UL de-rated)	10808VA(Max); 8646VA(UL de-rated)	22170VA(Max)
Outlet Type	(6) IEC 320 C19+ (24) IEC 320 C13	(6) IEC 320 C19+ (24) IEC 320 C13	(6) IEC 320 C19+ (24) IEC 320 C13
Nominal Output Voltage	208 VAC	208 VAC	230 VAC
Maximum Output Current (Outlet)	C13: 15A(Max);12A(UL de-rated) C19: 20A(Max);16A(UL de-rated)	C13: 15A(Max);12A(UL de-rated) C19: 20A(Max);16A(UL de-rated)	C13:10A(Max) C19:16A(Max)
Breakers	3xUL489(2P)-20A	3xUL489(2P)-20A	6xUL489(1P)-16A
Metering	Bank level Current, Voltage , PF and KWh Monitoring		
Outlet Switching	Yes		
Environment Sensor Ports	Yes		
Metering Accuracy	1%*		
Physical Properties			
Power Cord Length	3 m		
Environmental			
Temperature (Operating / Storage)	0 – 60°C / -20 – 60°C		
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing		
Compliance			
EMC Verification	FCC	FCC	CE, EMC
Safety Verification	UL, PSE	UL, PSE	CE
Warranty	3 Years		

Specification > PG98230

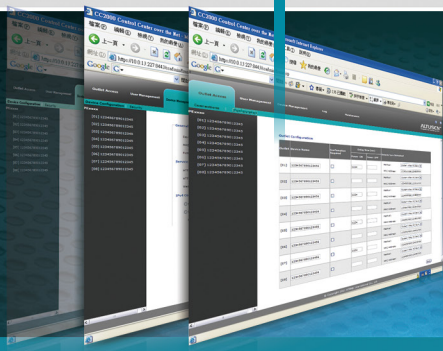
	PG98230B	PG98230B2	PG98230G
Electrical			
Nominal Input Voltage	208V 3PH (Star)	208V 3PH (Delta)	400/230V 3PH (Star)
Maximum Input Current	20A(Max);16A(UL de-rated)	20A(Max);16A(UL de-rated)	16A(Max)
Input Frequency	50 – 60 Hz		
Input Connection	NEMA L21-20P	NEMA L15-20P	IEC 60309 16/20A Red 3P+N+PE
Input Power	7205VA(Max);5764VA (UL de-rated)	7205VA(Max);5764VA (UL de-rated)	11084VA(Max)
Outlet Type	(6) IEC 320 C19+ (24) IEC 320 C13	(6) IEC 320 C19+ (24) IEC 320 C13	(6) IEC 320 C19+ (24) IEC 320 C13
Nominal Output Voltage	208 VAC	208 VAC	230 VAC
Maximum Output Current (Outlet)	C13: 15A(Max);12A (UL de-rated) C19: 20A(Max);16A (UL de-rated)	C13: 15A(Max);12A(UL de-rated) C19: 20A(Max);16A(UL de-rated)	C13:10A(Max) C19:16A(Max)
Breakers	NA		
Metering	Outlet level Current, Voltage , PF and KWh Monitoring		
Outlet Switching	Yes		
Environment Sensor Ports	Yes		
Metering Accuracy	1% *		
Physical Properties			
Power Cord Length	3 m		
Environmental			
Temperature (Operating / Storage)	0 – 60°C / -20 – 60°C		
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing		
Compliance			
EMC Verification	FCC	FCC	CE, EMC
Safety Verification	UL, PSE	UL, PSE	CE
Warranty	3 Years		

Specification > PG98330

	PG98330B	PG98330B2	PG98330G
Electrical			
Nominal Input Voltage	208V 3PH (Star)	208V 3PH (Delta)	400/230V 3PH (Star)
Maximum Input Current	30A(Max);24A(UL de-rated)	30A(Max);24A(UL de-rated)	32A(Max)
Input Frequency	50 – 60 Hz		
Input Connection	NEMA L21-30P	NEMA L15-30P	IEC 309 32A Red 3P+N+E
Input Power	10808VA(Max); 8646VA(UL de-rated)	10808VA(Max); 8646VA(UL de-rated)	22170VA(Max)
Outlet Type	(6) IEC 320 C19+ (24) IEC 320 C13	(6) IEC 320 C19+ (24) IEC 320 C13	(6) IEC 320 C19+ (24) IEC 320 C13
Nominal Output Voltage	208 VAC	208 VAC	230 VAC
Maximum Output Current (Outlet)	C13: 15A(Max);12A(UL de-rated) C19: 20A(Max);16A(UL de-rated)	C13: 15A(Max);12A(UL de-rated) C19: 20A(Max);16A(UL de-rated)	C13:10A(Max) C19:16A(Max)
Breakers	3xUL489(2P)-20A	3xUL489(2P)-20A	6xUL489(1P)-16A
Metering	Outlet level Current, Voltage , PF and KWh Monitoring		
Outlet Switching	Yes		
Environment Sensor Ports	Yes		
Metering Accuracy	1%*		
Physical Properties			
Power Cord Length	3 m		
Environmental			
Temperature (Operating / Storage)	0 – 60°C / -20 – 60°C		
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing		
Compliance			
EMC Verification	FCC	FCC	CE, EMC
Safety Verification	UL, PSE	UL, PSE	CE
Warranty	3 Years		

eco DC

Energy & DCIM Management Web GUI

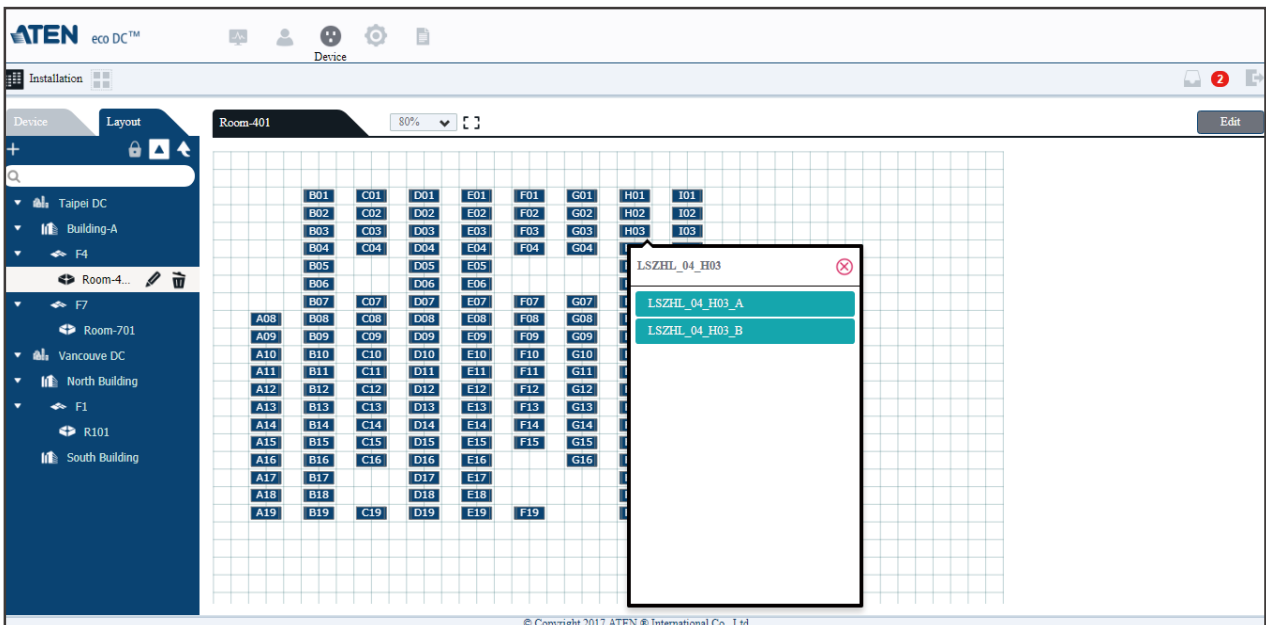
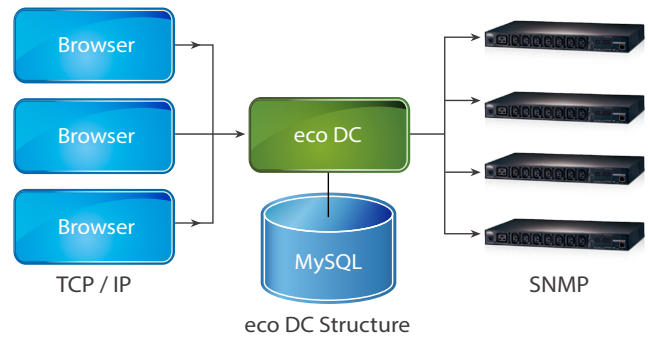


What is eco DC

eco DC gives you the PC- and Web-based tools to create a fully optimized, energy efficient data center. Both of them combine ATEN's cutting edge eco-technology with an intuitive GUI to deliver the best Data Center Infrastructure Management (DCIM) on the market.

Overview

eco DC is the new web-based GUI that allows users to log in to manage and control PDUs through a web browser. No additional installation or setup is needed. eco DC can run under any platform and OS. Users can easily manage the power consumption of the data center through intuitive interface and graphics.



Real-time Rack Status Monitoring

Benefits of eco DC

Power Measurement and Scheduling by Zone

eco DC allows you to group racks in up to 128 zones and define specific areas that you wish to get readings for. Administrators can schedule power on & off by zone and monitor real-time stats with data such as peak and average power usage per zone.

Power Analysis Report

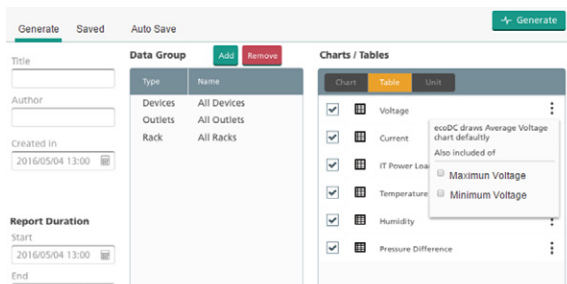
eco DC offers comprehensive power analysis reports which can be segmented by departments and locations. It displays trending charts in real-time or according to the day, month, year, or grasp the power consumption needs of each season. By knowing the actual power consumption trends with easy to read charts, you can allocate energy resources and prevent wasted power capacity.

Optimum Data Center Energy Management

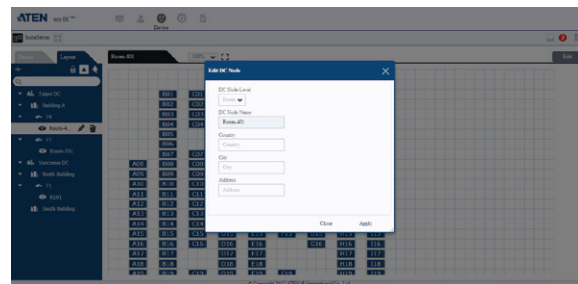
When used in conjunction with Sensor-enabled eco PDUs, eco DC provides administrators with a dynamic power analysis to protect IT equipment from excess heat or insufficient power capacity.

Fan Energy Saving & Chiller Energy Saving

eco DC provides real-time power measurements and environmental monitoring of a data center from a variety of locations including: at the zone, rack, device or outlet level. By generating customized reports about your data center's status, administrators can evaluate the Fan Energy Saving & Chiller Energy Saving potential. With this information, administrators can quickly analyze and confirm how long it will take to recover the cost of investing new energy resources, and confirm the return on investment.

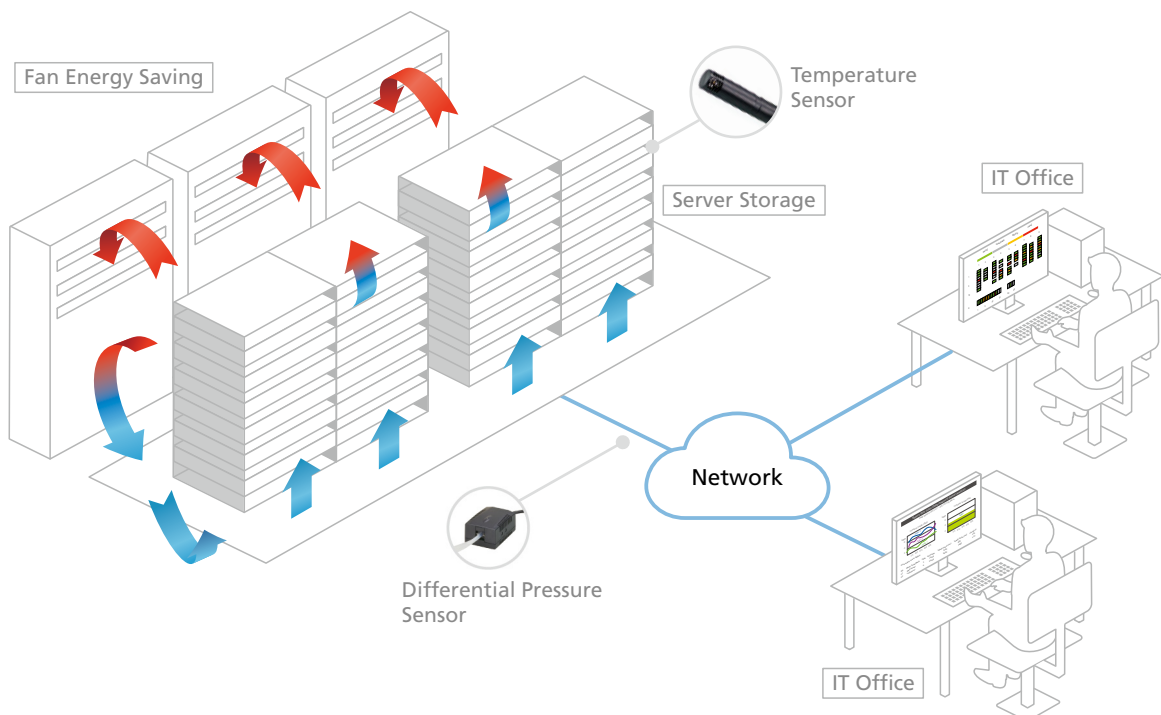


eco DC: Energy Report



eco DC: Zone Setting

Setup >

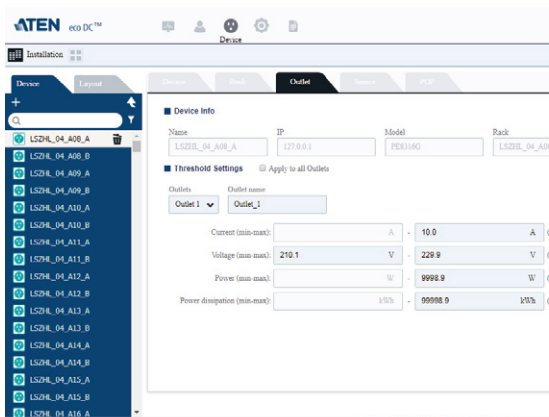


● Network

Features of eco DC

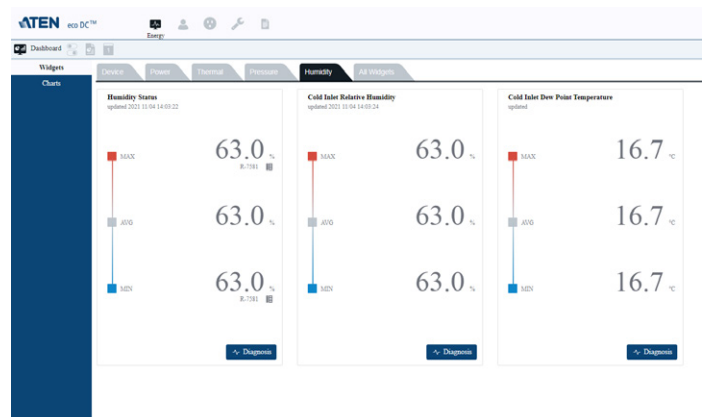
- Automatic discovery of all PE & PG devices within the same intranet
- Remote real-time power measurement and monitoring
 - PDU level current / voltage / power dissipation / power consumption
 - Outlet ON / OFF / Recycle status
- Second window to monitor a data center's PUE, Power, Carbon Footprint and rack status
- Remote real-time power outlet management*
 - Power outlet ON / OFF / Cycle switching by outlet or user-defined group
 - Power outlet ON / OFF / Cycle switching with pre-defined schedule
 - User-defined outlet level delays for sequential power up
 - Current / Voltage / Power Dissipation / Power Consumption threshold level settings
 - User access assignment for every outlet
 - Name assignment to individual outlets
- Remote real-time environment sensor monitoring
 - Temperature / Temperature + Humidity / Temperature + Differential Pressure readings
 - Temperature and Humidity threshold level settings

- Plotting / Monitoring of all PE & PG devices
 - Add data center server racks
 - Add PE devices for each server rack
 - Manage device/device outlet status for each plot
- Offers essential data center indices including Rack Intake Temperature, Rack Exhaust Temperature, Rack Equipment Temperature Difference
- Power analysis report for optimizing data center energy management, including power usage, power load, power cost, CO2 cost, power capacity and trends
- Exceed threshold alert through SMTP and System log
- 1024 line event log
- System log provision
- Two-level password security
- Strong security features include password protection and advanced encryption technologies – 128 bit SSL

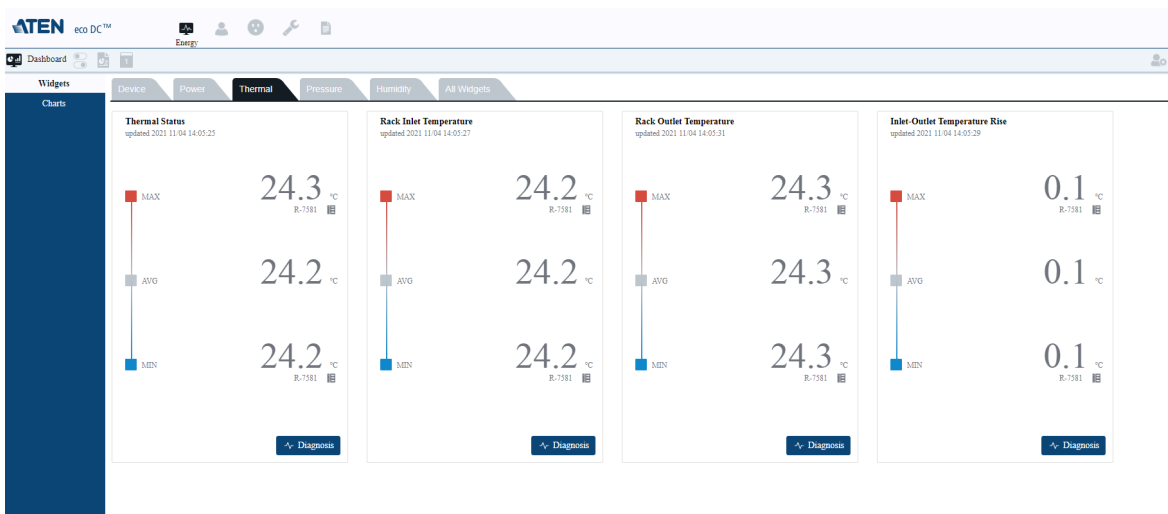


Power Control

* This feature is only available with certain eco PDU models. Please visit www.aten.com for more details.



Humidity Monitoring



Temperature Monitoring

Functions

			eco DC
Energy	Dash Board	Real-time monitor of power usage, temperature and humidity	•
	Power Control	Monitor PDU status and control power outlets	•
	Group Control	Control power outlet by group	•
	Power Analysis	Power usage analysis by hour, day, month or quarter year	•
	Thermal Analysis	Thermal analysis by hour, day, month or quarter year	•
User	Account	Account management, access rights by function, device and group	•
Device	Zone Define	Define data center zone	•
	Rack Install	Install server rack in data center	•
	Device Setup	Setup PDU or Energy Box in data center	•
	Define Data Group	Define data group for report analysis, group control and schedule control	•
	In-Synergy Gateway	Support external gateway for CT meter	N/A
System	Sys Settings	System parameters, SNMP and SMTP Settings	•
	Maintenance	PDU and Energy Box firmware upgrade	•
	Database	Database settings, capacity management, import/export, configuration, backup/restore	•
	Task	Scheduling group outlet control and configure backup	•
	Billing	Electricity billing report	•
Log	System Log	View system log	•
	Log Options	Log settings	•
	Events	Event settings	•

Hardware Requirements

	eco DC	
	Server Version	Client Version
Operating System	Windows 7 / Windows Server 2003 and later	
CPU	2.5 GHz Quad Core	2.0 GHz Dual Core
Display	Larger than 1440 x 900	
Memory	8 GB	4 GB
Disk	1 TB	NA
Network	1 Gbps Ethernet	

System Parameters

	eco DC
(Max) Accounts	1024
Concurrent Logins	32
(Max) PDUs	3000
Data Center Layouts	45 x 30
(Max) Racks	3000
(Max) Zones	NA
Power Report History	At least 5 years
Real Time Dashboard Data	NA

Uninterruptible Power Supply (UPS)

OL1000HV/OL1500HV/OL2000HV/OL3000HV/
OL1000LV/OL1500LV/OL2000LV/OL3000LV



The ATEN Professional Online UPS is an innovative power protection solution for equipment that regulates power fluctuations by providing emergency power to a load when the input source or mains power fails. While similar to a standby or line-interactive UPS, the ATEN Professional Online UPS provides a much greater current AC-to-DC battery-charger/rectifier, and its rectifier and inverter have been designed to run continuously with improved cooling systems.

Features:

True double-conversion – Output power factor up to 1*

(*OL1500LV, OL2000LV, OL3000LV are not included, due to the UL certification)

All of the power supplied is being used productively for increased efficiency.

Full time equipment protection

Provides over voltage cut-off protection and surge immunity by MOV.

Rotatable multi-functional LCD

The rotatable display can flexibly fit into a tower or rack setup and shows immediate, detailed information of input voltage, battery capacity, power status, battery status, operating status assessed backup runtime, and more.

Power management software

Installed on connected computer(s) to allow the easy monitoring and management of backup power by accessing vital UPS battery conditions, load levels, and runtime information as well as to provide unattended shutdown of network computers and virtual machines connected to a battery backup during a power event.

Hot swappable battery design

All potential UPS maintenance, including complete power module exchange, can be performed without powering down connected equipment. As long as utility power is on, you can leave the UPS and connected equipment on while replacing the battery.

Pure sine wave output

Stable output current wave compatible with generators.

Zero second transfer time

Uninterrupted system running during power failure.

ECO mode for 97% energy saving

Offers up to 97% efficiency to cut energy usage and costs. UPS power application via static bypass, timely returning to online double conversion when the need arises.

Smart battery charger design to optimize battery performance

Adjusts charging voltage according to outside temperatures and extends the useful service life of batteries.

SNMP + USB + RS-232 multiple communications

Allows either USB or RS-232 communication ports to work with SNMP interface simultaneously. (Optional for SNMP module)

Emergency Power Off function (EPO)

EPO connector at rear panel allows emergency UPS Power Off from a remote location.

Programmable power management outlets

Users can easily and independently control load segments. During power failure, this feature enables users to extend battery time to mission-critical devices by shutting down noncritical devices.

Output voltage regulation < 1%

Provides higher performance and efficiency for critical applications.

Specifications

Function	OL1000HV	OL1500HV	OL2000HV	OL3000HV
UPS Topology	Double-Conversion			
Energy Saving(max)	>96%(ECO) >89%(AC) >88%(Batt)	>96%(ECO) >89%(AC) >88%(Batt)	>96%(ECO) >90%(AC) >89%(Batt)	>96%(ECO) >91%(AC) >90%(Batt)
SNMP / HTTP Remote Monitoring	Yes - Optional SNMP CARD			
Input				
Voltage	220/230/240 VAC			
Input Voltage Range	160-300 VAC \pm 5% @ 100% load 110-300 VAC \pm 5% @ 50% load Derate capacity to 80% when the output voltage is adjusted to 200VAC/208VAC.			
Input Frequency Range	40 Hz – 70 Hz			
Rated Input current	4.8A	7.2A	9.7A	14.5A
Input Power Factor	\geq 0.99 @ nominal voltage (100% load)			
Cold Start	Yes			
Plug Type	IEC 320 C14	IEC 320 C14	IEC 320 C20	IEC 320 C20
Power cord	6ft (Schuko Plug / UK Plug / AU Plug)			
Output				
VA	1000	1500	2000	3000
Watts	1000	1500	2000	3000
On Battery Waveform	Sine Wave			
On Battery Frequency	50/60Hz +/- 3 Hz			
Outlets - Total	8	8	8	9
Outlet Type	(8) IEC 320 C13	(8) IEC 320 C13	(8) IEC 320 C13	(8) IEC 320 C13 + (1) IEC 320 C19
Outlets - Battery & Surge Protected	8	8	8	9
Rated Power Factor	1			
Crest Factor	3:1			
Harmonic Distortion	\leq 2 % THDi (Linear Load) \leq 4 % THDi (Non-linear Load)			
Voltage Regulation	\pm 1%(Batt)			
Transfer Time(AC to Batt.)	0ms			
Transfer Time(Inverter to Bypass)	4ms(ECO)			
Battery				
Runtime at Half Load (min)	9.44	9.44	9.56	9.79
Runtime at Full Load (min)	3.1	3.3	3.19	3.41
Battery Type	Sealed Lead-Acid			
Battery Pack Voltage	24V	36V	48V	72V
Battery Size	12V/9AH			
Battery Quantity	2	3	4	6
Hot-Swappable	Yes			
Typical Recharge Time	3 hours recover to 95% capacity @2A charging current. Max charger current 12A(OL3000HV is 8A.)			
Extended Battery Module	BP24V18AH	BP36V18AH	BP48V18AH	BP72V18AH
Replacement Battery Pack	BC24V9AH	BC36V9AH	BC48V9AH	BC72V9AH
Replacement Battery Pack Quantity	1			
Physical Properties				
Rack Unit	2U			
Type	Rack/Tower			
Dimensions (L x W x H)	8.80 x 43.80 x 41.00 cm (3.46 x 17.24 x 16.14 in.)	8.80 x 43.80 x 41.00 cm (3.46 x 17.24 x 16.14 in.)	8.80 x 43.80 x 51.00 cm (3.46 x 17.24 x 20.08 in.)	8.80 x 43.80 x 63.00 cm (3.46 x 17.24 x 24.8 in.)
Weight	12.70 kg (27.97 lb)	14.30 kg (31.5 lb)	20.70 kg (45.59 lb)	28.70 kg (63.22 lb)
Environmental				
Temperature (Operating / Storage)	0 – 40°C (non-condensing) / -20 – 50°C			
Humidity (Operating & Storage)	20 – 90 % RH / 10% – 95%(No condensing)			
Audible noise at 1M from surface of unit	Less than 50dB			
Certifications				
Certifications	CE, KC			
Approval	RoHS			
Included Accessories	1x Rack Mounting Kit; 1x Rail Slide Kit; 1x RS-232 Cable; 1x USB Type A to B Cable; 4x Power Cable (1xIEC C13/C14+ 1xIEC C13/Schuko+1xIEC C13/UK +1xIEC C13/AU(10A)); 1x Tower Stand Set			

Specifications

External Battery Box

Function	OL1000LV	OL1500LV	OL2000LV	OL3000LV
UPS Topology	Double-Conversion			
Energy Saving(max)	>96%(ECO) >89%(AC) >88%(Batt)	>96%(ECO) >89%(AC) >88%(Batt)	>96%(ECO) >90%(AC) >89%(Batt)	>96%(ECO) >91%(AC) >90%(Batt)
SNMP / HTTP Remote Monitoring	Yes - Optional SNMP CARD			
Input				
Voltage	100/110/115/120/127V			
Input Voltage Range	80-150 VAC ± 5% @ 100% load 55-150 VAC ± 5% @ 50% load Derate capacity to 80% when the output voltage is adjusted to 100VAC			
Input Frequency Range	40 Hz – 70 Hz			
Rated Input current	9.3A	13.2A	17.6A	26.4A
Input Power Factor	≥ 0.99 @ nominal voltage (100% load)			
Cold Start	Yes			
Plug Type	NEMA 5-15P	NEMA 5-15P	NEMA 5-20P	NEMA L5-30P
Power cord	6ft			
Output				
VA	1000	1500	2000	3000
Watts	1000	1450	1930	2880
On Battery Waveform	Sine Wave			
On Battery Frequency	50/60Hz +/- 3 Hz			
Outlets - Total	8	8	8	9
Outlet Type	(8) NEMA 5-15R	(8) NEMA 5-15R	(8) NEMA 5-20R	(8) NEMA 5-20R, (1) NEMA L5-30R
Outlets - Battery & Surge Protected	8	8	8	9
Rated Power Factor	1	0.97	0.97	0.96
Crest Factor	3:1			
Harmonic Distortion	≤ 2 % THDv(Linear Load) ≤ 4 % THDv (Non-linear Load)			
Voltage Regulation	± 1%(Batt)			
Transfer Time(AC to Batt.)	0ms			
Transfer Time(Inverter to Bypass)	4ms(ECO)			
Battery				
Runtime at Half Load (min)	9.44	9.44	9.56	9.79
Runtime at Full Load (min)	3.1	3.3	3.19	3.41
Battery Type	Sealed Lead-Acid			
Battery Pack Voltage	24V	36V	48V	72V
Battery Size	12V/9AH			
Battery Quantity	2	3	4	6
Hot-Swappable	Yes			
Typical Recharge Time	3 hours recover to 95% capacity @2A charging current. Max charger current 8A			
Extended Battery Module	BP24V18AH	BP36V18AH	BP48V18AH	BP72V18AH
Replacement Battery Pack	BC24V9AH	BC36V9AH	BC48V9AH	BC72V9AH
Replacement Battery Pack Quantity	1			
Physical Properties				
Rack Unit	2U			
Type	Rack/Tower			
Dimensions (L x W x H)	8.80 x 43.80 x 41.00 cm (3.46 x 17.24 x 16.14 in.)	8.80 x 43.80 x 41.00 cm (3.46 x 17.24 x 16.14 in.)	8.80 x 43.80 x 51.00 cm (3.46 x 17.24 x 20.08 in.)	8.80 x 43.80 x 63.00 cm (3.46 x 17.24 x 24.8 in.)
Weight	12.90 kg (28.41 lb)	14.60 kg (32.16 lb)	21.10 kg (46.48 lb)	29.50 kg (64.98 lb)
Environmental				
Temperature (Operating / Storage)	0 – 40°C (non-condensing) / -20 – 50°C			
Humidity (Operating & Storage)	20 – 90 % RH / 10% – 95%(No condensing)			
Audible noise at 1M from surface of unit	Less than 50dB			
Certifications				
Certifications	cTUVus			
Approval	VCCI, BSMI, FCC Class A, RoHS			
Included Accessories	1x Rack Mounting Kit; 1x Rail Slide Kit; 1x RS-232 Cable; 1x USB Type A to B Cable; 1x Tower Stand Set			

Specifications

External Battery Box
















	BP24V18AH	BP36V18AH	BP48V18AH	BP72V18AH
Electrical				
Nominal Voltage (Input / Output)	24V	36V	48V	72V
Maximum Output Current (Total)	50A(Max)			
Battery				
Battery Type	Sealed Lead-Acid			
Battery Size	12V/9Ah			
Battery Quantity	4	6	8	12
Physical Properties				
Rack Unit	2U			
Dimensions (L x W x H)	8.80 x 43.80 x 38.00 cm (3.46 x 17.24 x 14.96 in.)	8.80 x 43.80 x 38.00 cm (3.46 x 17.24 x 14.96 in.)	8.80 x 43.80 x 48.00 cm (3.46 x 17.24 x 18.9 in.)	8.80 x 43.80 x 60.00 cm (3.46 x 17.24 x 23.62 in.)
Weight	17.10 kg (37.67 lb)	21.50 kg (47.36 lb)	29.00 kg (63.88 lb)	41.20 kg (90.75 lb)
Environmental				
Temperature (Operating / Storage)	0 – 40 °C / -15 – 45 °C			
Humidity (Operating & Storage)	0 – 90% (non-condensing)			
Elevation (Operating / Storage)	10,000 ft (3,000 m)/50,000 ft (15,000 m)			
Certifications				
Certifications	cTUVus, CE			
Approvals	RoHS Compliant			
Included Accessories	1x Rack Mounting Kit; 1x Rail Slide Kit; 1x Battery cable; 1x Tower Extend Stand			

Specifications






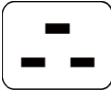







Internal Battery Box

	BC24V9AH	BC36V9AH	BC48V9AH	BC72V9AH
Electrical				
Nominal Voltage (Input / Output)	24V	36V	48V	72V
Battery				
Battery Type	Sealed Lead-Acid			
Battery Size	9Ah			
Battery Quantity	2	3	4	6
Physical Properties				
Dimensions (L x W x H)	25.77 x 21.37 x 6.66 cm (10.15 x 8.41 x 2.62 in.)	25.77 x 21.37 x 6.66 cm (10.15 x 8.41 x 2.62 in.)	32.50 x 20.40 x 6.66 cm (12.8 x 8.03 x 2.62 in.)	47.60 x 20.40 x 6.66 cm (18.74 x 8.03 x 2.62 in.)
Weight	5.70 kg (12.56 lb)	8.10 kg (17.84 lb)	10.80 kg (23.79 lb)	15.90 kg (35.02 lb)
Weight	Black			
Environmental				
Temperature (Operating / Storage)	32 – 104 °F (0 – 40 °C)			
Humidity (Operating & Storage)	0 – 95%			
Elevation (Operating / Storage)	Operating: 0-10,000ft (0-3,000meter) Storage: 0-50,000ft (0-15,000meter)			

Optional Accessories

Type	Part No.	Description	Images
Environment Sensors	EA1140	Temperature Sensor	
	EA1240	Temperature & Humidity Sensor	
	EA1340	Differential Pressure & Temperature	
Door Sensors	EA1440	Photo Door Sensor	
	EA1441	Inductive Proximity Door Sensor	
	EA1442	Reed Door Sensor	
	EA1540	Capacity Leakage Sensor	
Cable Holders	2X-EA07	Lok-U-Plug Cable Holder (10 pcs per pack)	
	2X-EA08	Lok-U-Plug Installation Tool (4 pcs per pack)	
	2X-EA10	C14 EZ-Lok Plug Connector	
	2X-EA11	C20 EZ-Lok Plug Connector	
	2X-EA13	C14 Smart-Lock Plug Connector	
	2X-EA14	C14 Smart-Lock Plug Connector (Compatible for PE5342T & PG95348)	
UPS Accessories	SP100	SNMP Card	
Surge Module	EA2100	Surge Protection	

Available Power Outlet Sockets and Input Plugs

Outlet Sockets	
IEC 60320 C13	
IEC 60320 C19	
NEMA 5-15R	 NEMA 5-15R
NEMA 5-20R	 NEMA 5-20R
Input Plugs	
IEC 60320 C14	
IEC 60320 C20	
IEC 60309 32A	
NEMA 5-15P	 NEMA 5-15P
NEMA 5-20P	 NEMA 5-20P
NEMA L5-30P	 NEMA L5-30P 30 Amps 125 Volts
NEMA 6-15P	 NEMA 6-15P
NEMA 6-20P	 NEMA 6-20P
NEMA 6-30LP	 NEMA 6-30LP

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