



Product Catalog

**ATEN NRGence™ Energy
Intelligence Solutions**

2020 | 2021





Your Premier Partner Since 1979

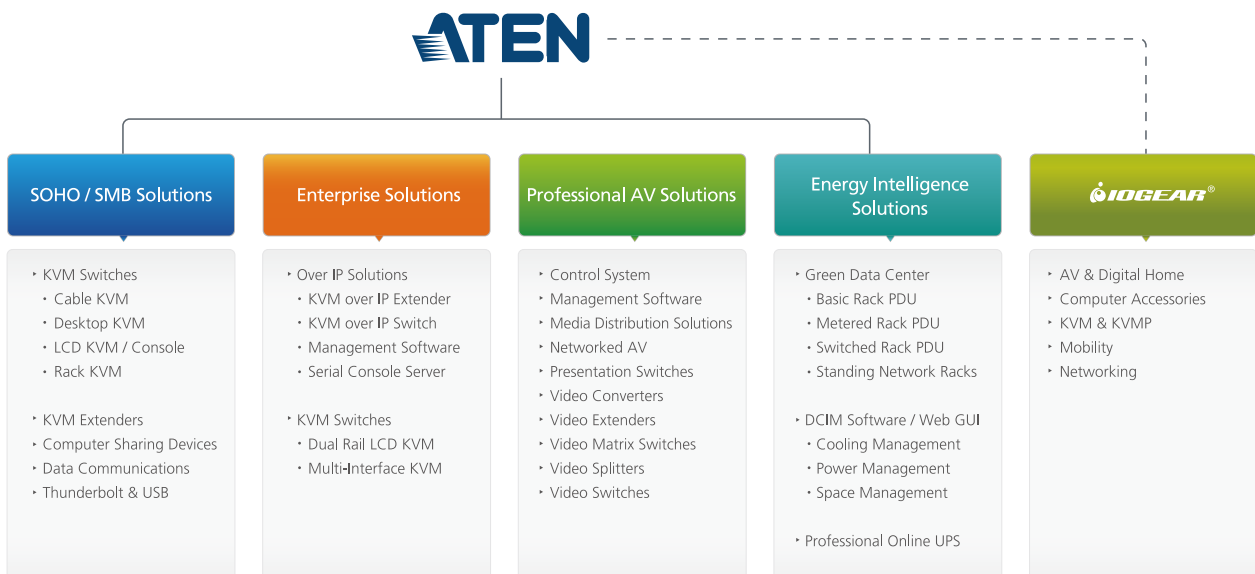
Since 1979, ATEN's success has been anchored upon our dedication to AV/IT technologies and our commitment to sustained innovation and achieving excellence, all fueled by a passion for bringing better connectivity to the world. We will continue to enjoy a solid base of market diversity, geographical expansion, 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 Altusen™ Enterprise 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 VanCryst™ 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 SOHO/SMB Solutions 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 NRGence™ Energy Intelligence 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.



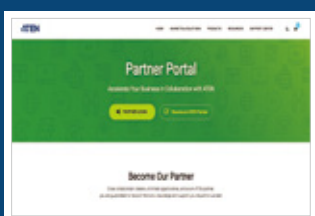
ATEN eNews

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 NRGence™ Energy Intelligence Solutions

At ATEN, we are committed to offering smart energy solutions for data centers. NRGence™ Energy Intelligence 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 Sensors 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 Sensors 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.

- **Standing Network Racks and Accessories**

ATEN Racks are designed for mounting standard 19" rack-mount equipment in advanced models for high-density server/networking applications and more cost-effective standard models. ATEN also offers standard rack mounting kits, and exclusive cable holders that secure power cords in PDU outlets. ATEN environment sensors allow the real-time monitoring of your data center's temperature, humidity and pressure, while door sensors assist the security management of the data center.



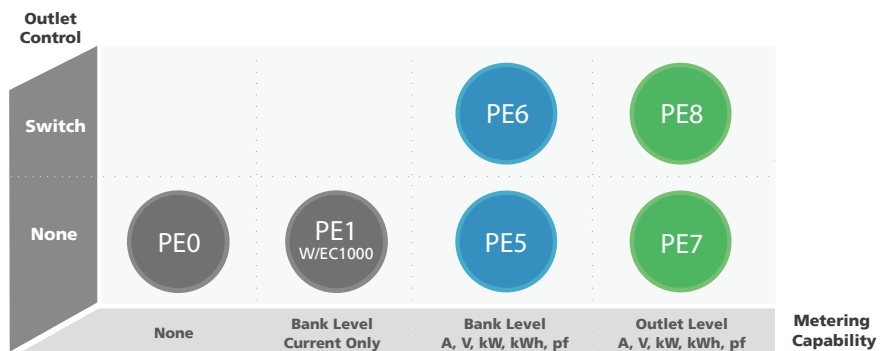


PDU Comparison

Model	Basic PDU			
	Basic 1U Rack PDU		Basic 0U Rack PDU	
	PE0218S PE0210S PE0209S PE0118S PE0110S	PE0212 PE0112	PE0324S PE0316S PE0224S PE0216S PE0116S	PE1324 PE1216
Outlet	9,10,18	12	16, 24	16, 24
Module outlet	•	•	•	•
Outlet Switching	N/A	N/A	N/A	N/A
Metering Capability	N/A	N/A	N/A	Bank Level (via EC1000)
Surge Protection	•	N/A	•	N/A
Environment Monitoring	N/A	N/A	N/A	N/A
eco Sensors / eco DC Support	N/A	N/A	N/A	N/A
Proactive Overload Protection	N/A	N/A	N/A	N/A
Door Sensor Support	N/A	N/A	N/A	N/A

Model	eco PDU				eco PDU			
	Intelligent 1U Rack PDU				Intelligent 0U Rack PDU			
	PE5108 PE5208	PE6108 PE6108AV PE6208 PE6208AV	PE7108 PE7208	PE8108 PE8208	PE5221T PE5224T PE5316 PE5324 PE5324T	PE6216 PE6324 PE6324L	PE7216 PE7324	PE8216 PE8324
Outlet	8	8	8	8	16,21,24, 42	16, 24	16, 24	16, 24
Module outlet	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Outlet Switching	N/A	•	N/A	•	N/A	•	N/A	•
Metering Capability	Bank Level	Bank Level	Outlet Level	Outlet Level	Bank Level	Bank Level	Outlet Level	Outlet Level
Surge Protection	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Environment Monitoring	•	•	•	•	•	•	•	•
eco Sensors / eco DC Support	•	•	•	•	•	•	•	•
Proactive Overload Protection	N/A	•	N/A	•	N/A	•	N/A	•
Door Sensor Support	N/A	N/A	N/A	N/A	N/A	N/A	•	•

ATEN PDU Family





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

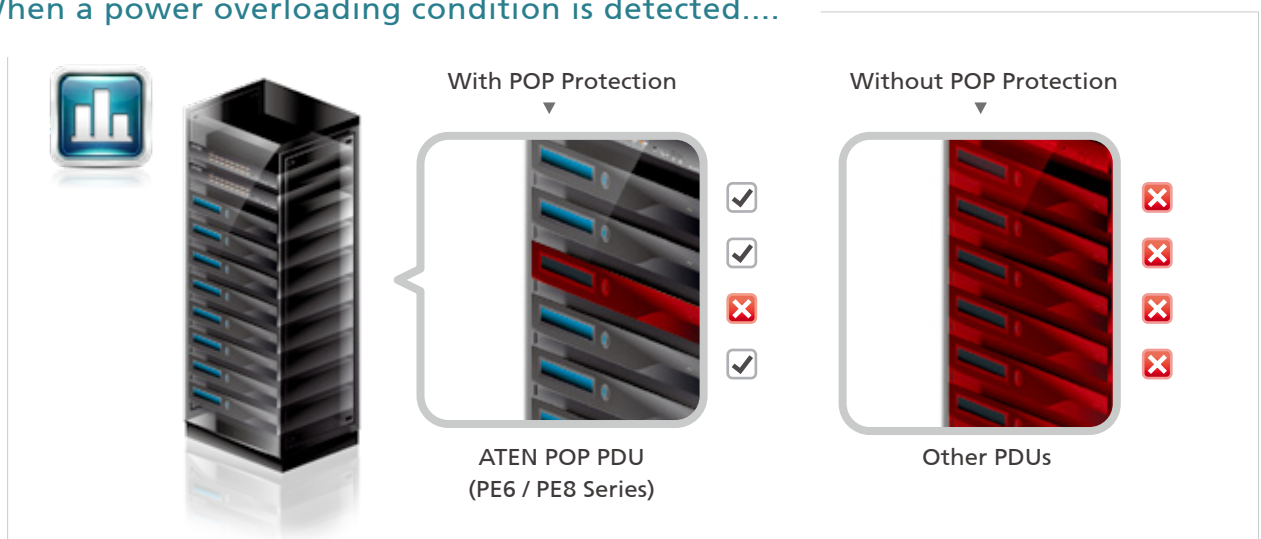
- Enable POP LIFO Mode
- Enable POP Priority Mode

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....



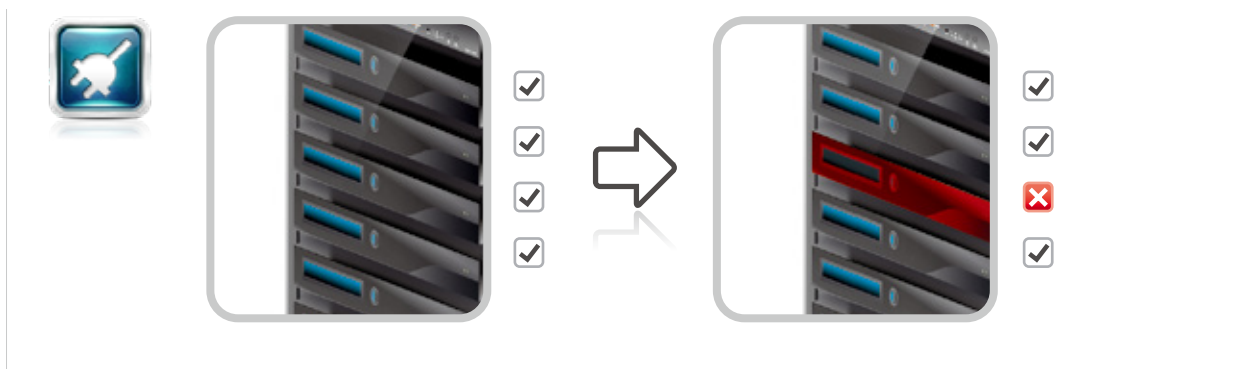
Without ATEN's POP, PDUs will cut off the entire circuit when the power is overloaded, resulting in a sudden shut down of all equipment – which can include lighting, air conditioning and servers.

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.



BASIC PDU

Basic 0U/1U Rack PDU

PE0112 / PE0212 / PE0110S / PE0209S / PE0210S
 PE0118S / PE0218S / PE0116S / PE0216S / PE0224S
 PE0316S / PE0324S / PE1216 / PE1324

PE0116S / PE0216S / PE0224S / PE0316S
 PE0324S / PE1216 / PE1324

- 0U Basic PDU
- 16 / 24 Outlets

PE0112 / PE0212 / PE0110S / PE0210S
 PE0118S / PE0218S / PE0318S

- 1U Basic PDU
- 10 / 12 / 18 Outlet

The Basic PDU series contains 10/12/16/18/24 AC outlets and is available in IEC or NEMA socket configurations. A wide variety of entry-level models are available, such as The series provides wide variety choices with/without surge or meter functions and with customized outlet configurations for budget-friendly scenarios.

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
PE1216G	100-240V	16A	IEC 320 C20	16 x IEC 320 C13	None	Bank (via EC1000)
PE1324G	100-240V	16A	IEC 60309 32A	24 x IEC 320 C13	None	Bank (via EC1000)

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
PE0316SB	100-240V	30A	NEMA L6-30P	16 x IEC 320 C13	Yes	None
PE0324SA	100-120V	30A	NEMA L5-30P	24 x NEMA 5-20R	Yes	None
PE0324SB	100-240V	30A	NEMA L6-30P	22 x IEC 320 C13, 2 x IEC 320 C19	Yes	None
PE1216A	100-120V	20A	NEMA 5-20P	16 x NEMA 5-15R	None	Bank (via EC1000)
PE1216B	100-240V	20A	NEMA 6-20P	16 x IEC 320 C13	None	Bank (via EC1000)
PE1324B	100-240V	30A	NEMA L6-30P	24 x IEC 320 C13	None	Bank (via EC1000)

1U Basic PDU

IEC System

Model	Input Voltage	(Max) AMP	Input Plug	Outlets Control	Surge	Metering
PE0110SG	100-240V	10A	IEC-320 C14	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	IEC-320 C20	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



Specification > PE0112

Function	PE0112A	PE0112G
Electrical		
Nominal Input Voltage	100 – 120 VAC	100 – 240 VAC
Maximum Input Current	15A(Max);12A(UL de-rated)	10A(Max)
Input Frequency	50 – 60 Hz	
Input Connection	NEMA 5-15P	IEC-320 C14
Input Power	1800 VA(Max);1440 VA(UL de-rated)	2400 VA(Max)
Outlet Type	(16) IEC320 C13	(16) IEC320 C13
Nominal Output Voltage	(12) NEMA 5-15R	(12) IEC 320 C13
Maximum Output Current (Outlet)	15A(Max);12A(UL de-rated)	10A(Max)
Maximum Output Current (Bank)	15A(Max);12A(UL de-rated)	10A(Max)
Maximum Output Current (Total)	15A(Max);12A(UL de-rated)	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 (3×1.0mm ²)
Environmental		
Temperature (Operating / Storage)	0 – 40°C* / -20 – 60°C	
Elevation	3000 m	
Compliance		
EMC Verification	FCC Class A	CE Class A
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 > PE0212

Function	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 Class A
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

Function	PE0110SA	PE0110SG
Electrical		
Nominal Input Voltage	100 – 120 VAC	100 – 240 VAC
Maximum Input Current	15A(Max);12A(UL de-rated)	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) IEC320 C13
Maximum Output Current (Outlet)	15A(Max);12A(UL de-rated)	10A(Max)
Maximum Output Current (Bank)	15A(Max);12A(UL de-rated)	10A(Max)
Maximum Output Current (Total)	15A(Max);12A(UL de-rated)	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	
Weight	0.66 kg	0.66 kg
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 Class A
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 > 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
Weight	0.67 kg
Power Cord Length	10ft (3x2.5mm ²)
Environmental	
Temperature (Operating / Storage)	0 – 40°C* / -20 – 60°C
Elevation	3000 m
Compliance	
EMC Verification	CE Class A
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		
Weight	0.67 kg	0.67 kg	0.67 kg
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 Class A
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 > PE0118S

Function	PE0118SA	PE0118SG
Electrical		
Nominal Input Voltage	100 – 120 VAC	100 – 240 VAC
Maximum Input Current	15A(Max);12A(UL de-rated)	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(Max)
Maximum Output Current (Bank)	15A(Max);12A(UL de-rated)	10A(Max)
Maximum Output Current (Total)	15A(Max);12A(UL de-rated)	10A(Max)
OPD (Over current Protection Device)	Yes	
Physical Properties		
Dimensions (L x W x H)	48.2 x 4.44 x 8.85 cm	
Weight	TBD	
Power Cord Length	10ft (14#)	10ft (3x1.0mm ²)
Environmental		
Temperature (Operating / Storage)	0 – 40°C* / -20 – 60°C	
Elevation (Operating / Storage)	Yes	
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

Function	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)	48.2 x 4.44 x 8.85 cm		
Weight	TBD		
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

Function	PE0116SA	PE0116SG
Electrical		
Nominal Input Voltage	100 – 120 VAC	100 – 240 VAC
Maximum Input Current	15A(Max);12A(UL de-rated)	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(Max)
Maximum Output Current (Bank)	15A(Max);12A(UL de-rated)	10A(Max)
Maximum Output Current (Total)	15A(Max);12A(UL de-rated)	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	
Weight	TBD	
Power Cord Length	10ft (14#)	10ft (3×1.0mm 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

*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 > PE0216S

Function	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		
Weight	TBD		
Power Cord Length	10ft (12#)	10ft (12#)	10ft (3×1.5mm 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

Function	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)	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)	95.98 x 4.44 x 6.00 cm	107.98 x 4.44 x 6.00 cm	107.98 x 4.44 x 6.00 cm
Weight	TBD		
Power Cord Length	10ft (12#)	10ft (12#)	10ft (3×1.5mm 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 > PE0316S

Function	PE0316SA	PE0316SB	PE0316SG
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 309 32A 2P+E
Input Power	3600VA(Max); 2880VA(UL de-rated)	7200VA(Max); 5760VA(UL de-rated)	7680VA(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)	30A(Max);24A(UL de-rated)	30A(Max);24A(UL de-rated)	32A(Max)
OPD (Over current Protection Device)	Yes		
Physical Properties			
Dimensions (L x W x H)	95.98 x 4.44 x 6.00 cm		
Weight	TBD		
Power Cord Length	10ft (10#)	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	FCC Class A	CE
Safety Verification	cTUVus	cTUVus	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 > PE0324S

Function	PE0324SA	PE0324SB	PE0324SG
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 309 32A 2P+E
Input Power	3600VA(Max); 2880VA(UL de-rated)	7200VA(Max); 5760VA(UL de-rated)	7680VA(Max)
Outlet Type	(24) NEMA 5-20R	(20) IEC 320 C13, (4) 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)	30A(Max);24A(UL de-rated)	30A(Max);24A(UL de-rated)	32A(Max)
OPD (Over current Protection Device)	Yes (UL 489)		
Physical Properties			
Dimensions (L x W x H)	119.98 x 4.44 x 6.00 cm	131.98 x 4.44 x 6.00 cm	131.98 x 4.44 x 6.00 cm
Weight	TBD		
Power Cord Length	10ft (10#)	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	FCC Class A	CE
Safety Verification	cTUVus	cTUVus	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.

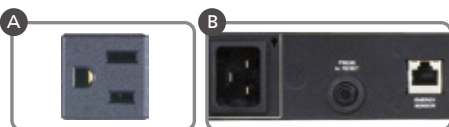
Specification > PE1216

Function	PE1216A	PE1216B	PE1216G
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	2400 VA(Max)	4160 VA(Max)	3680 VA(Max)
Outlet Type	Total: 16 x NEMA 5-15R	Total: 16 x IEC320 C13	Total: 16 x IEC320 C13
Nominal Output Voltage	100 – 120 VAC	100 – 240 VAC	100 – 240 VAC
Maximum Output Current (Outlet)	15A(Max)	15A(Max)	10A(Max)
Maximum Output Current (Bank)	20A(Max)	20A(Max)	16A(Max)
Maximum Output Current (Total)	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 Monitoring (Via EC1000 Energy Box)		
Outlet Switching	None		
Environment Sensor Ports	0		
Metering Accuracy	Current Range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%		
Physical Properties			
Dimensions (L x W x H)	73.00 x 4.40 x 4.40 cm (28.74 x 1.73 x 1.73 in.)		
Weight	1.32 kg (2.91 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, C-Tick, Others by Request
Safety Verification	cTUVus, PSE, Others by Request	cTUVus, PSE, Others by Request	TUV-CB, GOST, Others by Request

Product Overview (PE1216A)



Product Detail

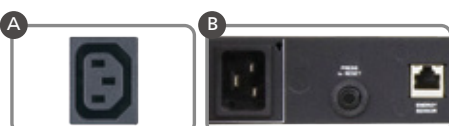


Outlet NEMA 5-15R

Product Overview (PE1216B / PE1216G)



Product Detail



Outlet IEC320 C13

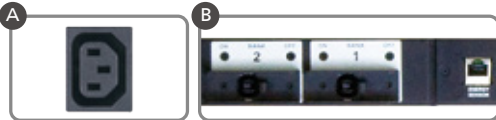
Specification > PE1324

Function	PE1324B	PE1324G
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	6240 VA(Max)	7360 VA(Max)
Outlet Type	Total: 24 x IEC320 C13 Bank1: Outlet 1 – 12; 12 x C13 Bank2: Outlet 13 – 24; 12 x C13	
Nominal Output Voltage	100 – 240 VAC	
Maximum Output Current (Outlet)	15A(Max)	10A(Max)
Maximum Output Current (Bank)	15A(Max)	16A(Max)
Maximum Output Current (Total)	30A(Max)	32A(Max)
Breakers	2 x 16A UL489 Breaker	
Metering	Bank Level Current Monitoring (Via EC1000 Energy Box)	
Outlet Switching	None	
Environment Sensor Ports	0	
Metering Accuracy	Current Range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%	
Physical Properties		
Dimensions (L x W x H)	130.00 x 4.04 x 4.40 cm (51.18 x 1.59 x 1.73 in.)	
Weight	3.60 kg (7.93 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	CE, C-Tick, Others by Request
Safety Verification	PSE, Others by Request	TUV-CB, GOST, Others by Request

Product Overview (PE1324B / PE1324G)



Product Detail



Outlet IEC320 C13

Energy BOX

EC1000

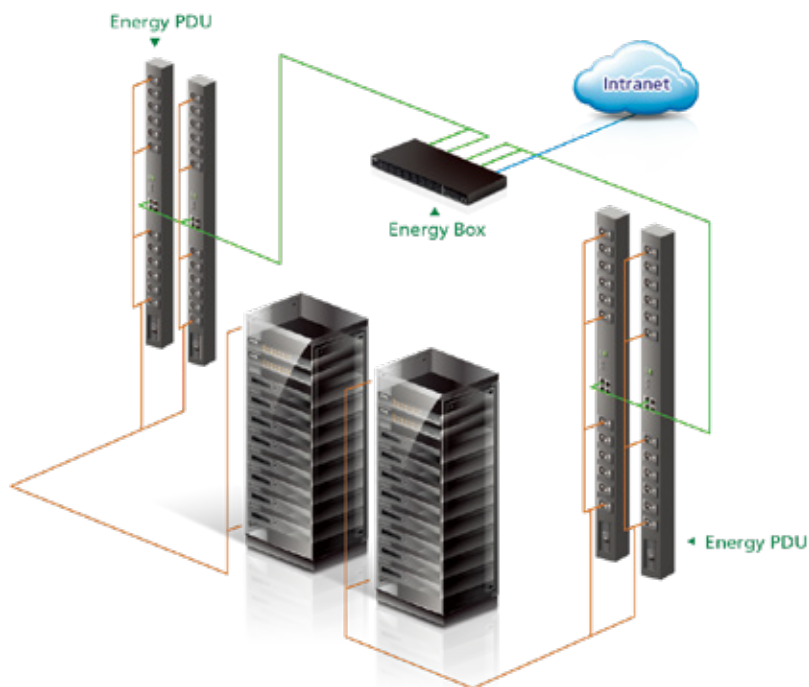


- EC1000
- 4 Energy Sensor Ports
- 4 Environmental Sensor Ports

The NRGence™ Energy Box is an intelligent power monitor that works with ATEN Energy 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 controlled via Web UI or eco Sensors software. Conveniently 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, eco Sensors software or 3rd party SNMP manager
- Exceeded threshold alerts via:
 - Local: audio alarm and LED lights
 - Remote: SMTP/SNMP trap/Syslog
- eco Sensors software for complete monitoring to optimize the power efficiency of data centers

Setup >



Specification > EC1000

Function	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.)

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
- 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
- PDU Power Management software – eco Sensors
- 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 10A	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

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	NEMA 6-20P	1 x 20A	7 x IEC320 C13 + 1 x IEC320 C19	Yes	Bank
PE6208AVB	1U	100-240V	16A	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

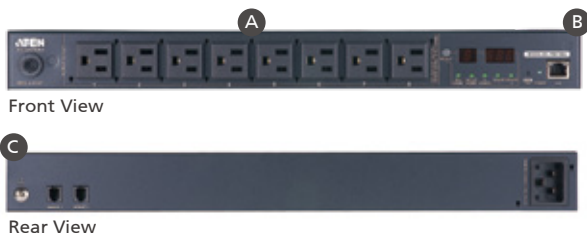
Terminal Block System

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

Function	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	1800 VA(Max); 1440 VA(UL de-rated)	3120 VA(Max); 2496 VA(UL de-rated)	2300 VA(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

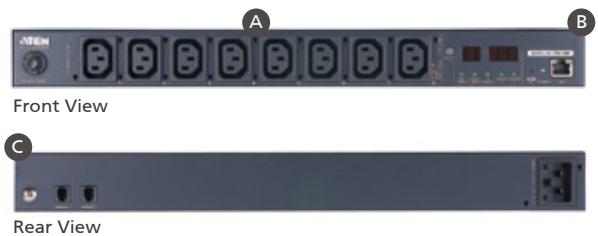
Product Overview (PE5108A)



Product Detail



Product Overview (PE5108B / PE5108G)



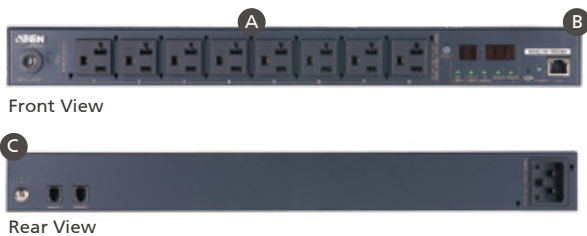
Product Detail



Specification > PE5208

Function	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	2400 VA(Max); 1920 VA(UL de-rated)	4160 VA(Max); 3328 VA(UL de-rated)	3680 VA(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)



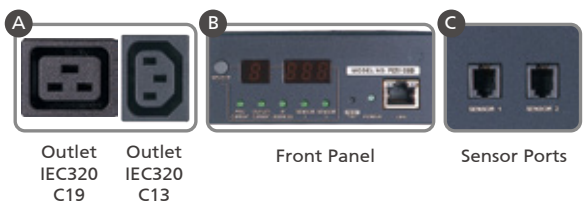
Product Detail



Product Overview (PE5208B / PE5208G)



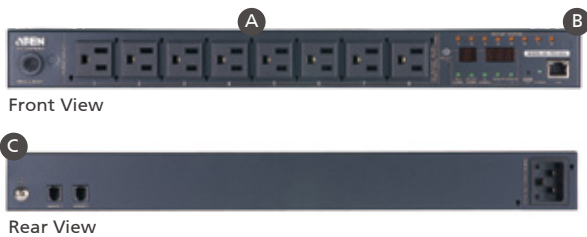
Product Detail



Specification > PE6108

Function	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	1800 VA(Max); 1440 VA(UL de-rated)	3120 VA(Max); 2496 VA(UL de-rated)	2300 VA(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

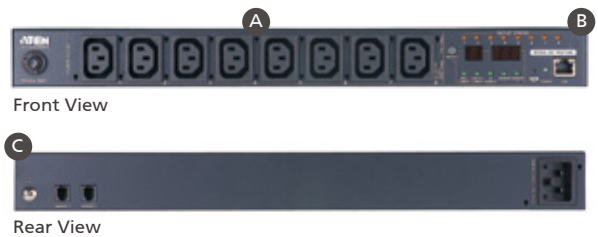
Product Overview (PE6108A)



Product Detail



Product Overview (PE6108B / PE6108G)



Product Detail



Specification > PE6108AV

Function	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	Per 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	
Power Cord Length	3 m
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)
Environmental	
Temperature (Operating / Storage)	0 – 45°C / -20 – 60°C
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing
Compliance	
Safety Verification	PSE
EMC Verification	FCC, J55022

Product Overview (PE6108AVA)



Front View



Rear View

Product Detail



Outlet NEMA 5-15R

Front Panel

Sensor Ports

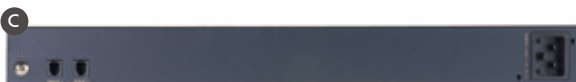
Specification > PE6208

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	NEMA 6-20P	IEC 60320 C20
Input Power	2400 VA(Max); 1920 VA(UL de-rated)	4160 VA(Max); 3328 VA(UL de-rated)	3680 VA(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

Function	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)	4600 VA(Max), 3680 VA(UL de-rated)	3680 VA(Max)	4800 VA(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	Per 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				
Power Cord Length	3 m	3 m	3 m	N.A.
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)			
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				
Safety Verification	PSE	Others by Request	CE-LVD, PSE, Others by Request	CE-LVD
EMC Verification	FCC, J55032	FCC, Others by Request	CE-EMC, FCC, J55032, Others by Request	CE, FCC

Product Overview (PE6208AVB / PE6208AVG)



Front View



Rear View

Product Detail

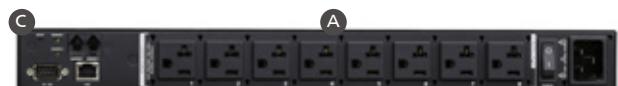


Outlet IEC320 C13

Front Panel

Sensor Ports

Product Overview (PE6208AVA / PE6208AVX)



PE6208AVA Rear View



PE6208AVX Rear View

Product Detail



Outlet NEMA 5-20R

Outlet Terminal Block

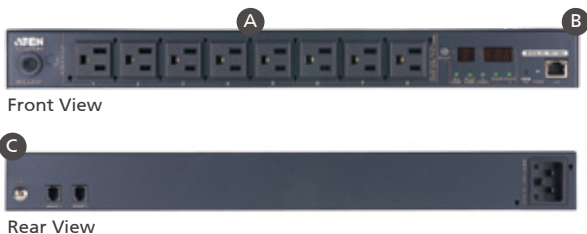
Front Panel

Sensor Ports

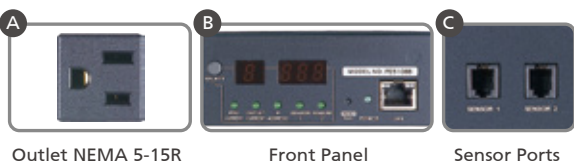
Specification > PE7108

Function	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	1800 VA(Max); 1440 VA(UL de-rated)	3120 VA(Max); 2496 VA(UL de-rated)	2300 VA(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			
Power Cord Length	3 m		
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)		
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

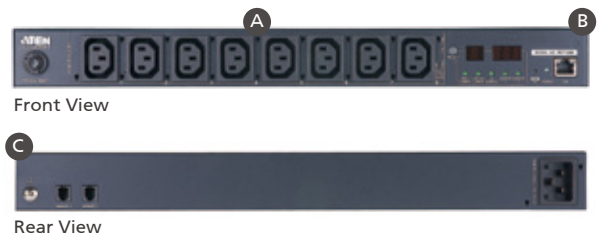
Product Overview (PE7108A)



Product Detail



Product Overview (PE7108B / PE7108G)



Product Detail



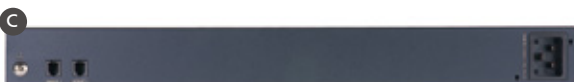
Specification > PE7208

Function	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	2400 VA(Max); 1920 VA(UL de-rated)	4160 VA(Max); 3328 VA(UL de-rated)	3680 VA(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

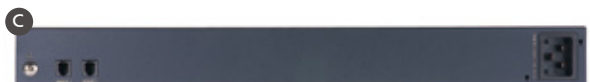
Front Panel

Sensor Ports

Product Overview (PE7208B / PE7208G)



Front View



Rear View

Product Detail



Outlet IEC320 C19
Outlet IEC320 C13

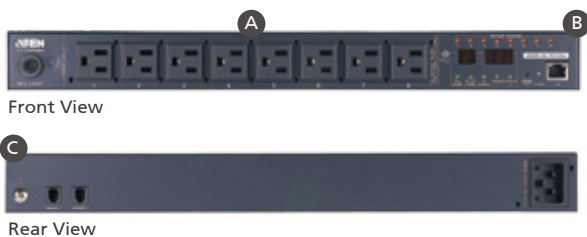
Front Panel

Sensor Ports

Specification > PE8108

Function	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	1800 VA(Max); 1440 VA(UL de-rated)	3120 VA(Max); 2496 VA(UL de-rated)	2300 VA(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, GOST, Others by Request

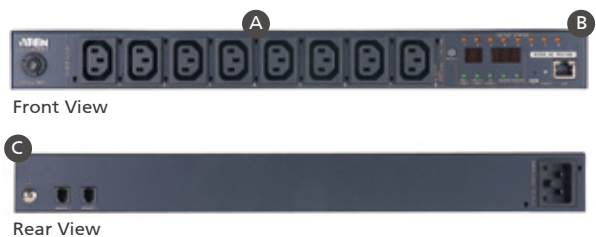
Product Overview (PE8108A)



Product Detail



Product Overview (PE8108B / PE8108G)



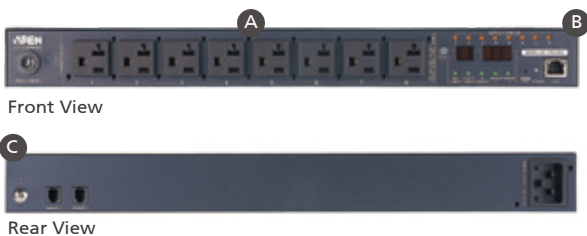
Product Detail



Specification > PE8208

Function	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)
Input Frequency	50 – 60 Hz			
Input Connection	NEMA 5-20P	NEMA 6-20P	IEC 60320 C20	IEC 60320 C20
Input Power	2400 VA(Max); 1920 VA(UL de-rated)	4160 VA(Max); 3328 VA(UL de-rated)	3680 VA(Max)	3680 VA(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, GOST, Others by Request	CE-LVD, Others by Request

Product Overview (PE8208A)



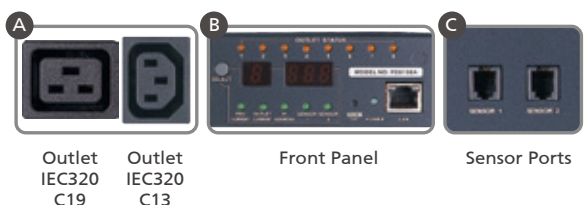
Product Overview (PE8208B / PE8208G)



Product Detail



Product Detail



ECO PDU

Intelligent 0U Rack PDU

PE5221T / PE5224T / PE5316
PE5324 / PE5324T / PE5342T / PE6216 / PE6324 / PE6324L
PE7216 / PE7324 / PE8216 / PE8324



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
- 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
- PDU Power Management software – eco Sensors
- 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

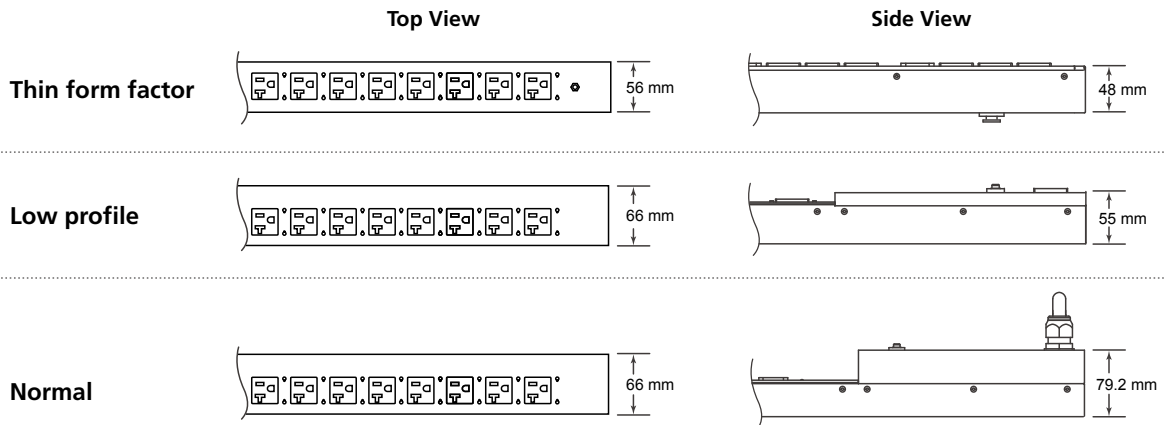
Model	Rack Space	Input Voltage	(Max) AMP	Input Plug	# of Banks	Outlets	Outlet Control	Metering Level
PE5221T**	0U	100-240V	16A	IEC 60320 C20	1 x 16A	18 x IEC320 C13 + 3 x IEC320 C19	None	Bank
PE5316	0U	100-240V	32A	IEC 60309 32A	2 x 16A	6 x IEC320 C13 + 10 x IEC320 C19	None	Bank
PE5324G	0U	100-240V	32A	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

NEMA System

Model	Rack Space	Input Voltage	(Max) AMP	Input Plug	# of Banks	Outlets	Outlet Control	Metering Level
PE5221T**	0U	100-240V	16A	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
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.



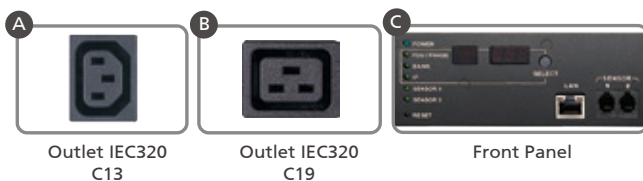
Specification > PE5221T

Function	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	3680 VA(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



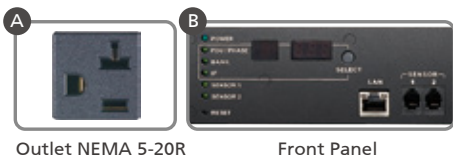
Specification > PE5224T

Function	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	2400 VA(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

Function	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	7360 VA(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	

Product Overview (PE5316)



Product Detail



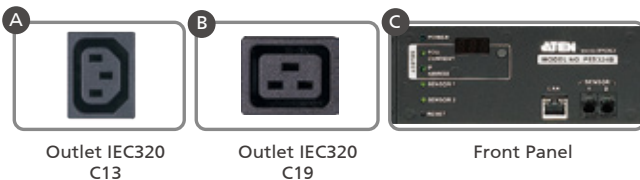
Specification > PE5324

Function	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	7360 VA(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, GOST, Others by Request

Product Overview (PE5324B / PE5324G)



Product Detail



Specification > PE5324T

Function	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	3600 VA(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

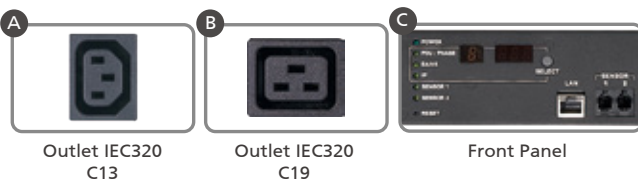
Specification > PE5342T

Function	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	6240 VA(Max)	7360 VA(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



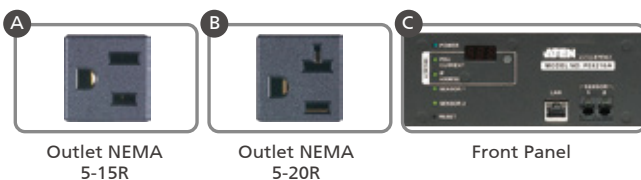
Specification > PE6216

Function	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	2400 VA(Max)	4160 VA(Max)	3680 VA(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
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%		
Metering	Bank Level Current, Voltage, VA , PF and kWh Monitoring		
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, GOST, Others by Request

Product Overview (PE6216A)



Product Detail



Product Overview (PE6216B / PE6216G)



Product Detail



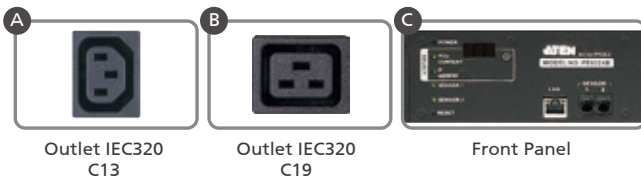
Specification > PE6324

Function	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	6240 VA(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



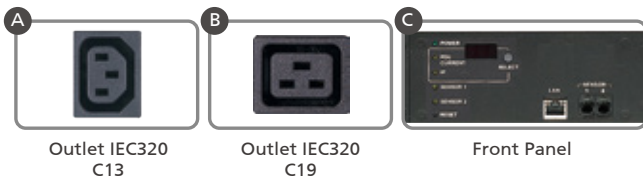
Specification > PE6324L

Function	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	6240 VA(Max)	7360 VA(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	
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

Product Overview (PE6324LB / PE6324LG)



Product Detail



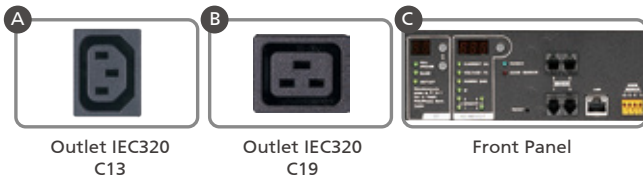
Specification > PE7216

Function	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	4160 VA(Max); 3328 VA(UL de-rated)	3680 VA(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); TUV de-rated 15A(Max)
Maximum Output Current (Bank)	20A(Max);16A(UL de-rated)	16A(Max); TUV de-rated 15A(Max)
Maximum Output Current (Total)	20A(Max);16A(UL de-rated)	16A(Max); TUV de-rated 15A(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

Product Overview (PE7216B / PE7216G)



Product Detail



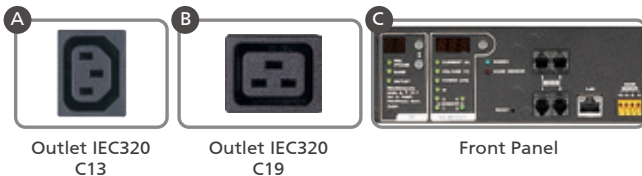
Specification > PE7324

Function	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	6240 VA(Max); 4992 VA(UL de-rated)	7360 VA(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); TUV de-rated 15A(Max)
Maximum Output Current (Bank)	15A(Max); 12A(UL de-rated)	16A(Max); TUV de-rated 15A(Max)
Maximum Output Current (Total)	30A(Max); 24A(UL de-rated)	32A(Max); TUV de-rated 30A(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	GOST, Others by Request

Product Overview (PE7324B / PE7324G)



Product Detail



Specification > PE8216

Function	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	4160 VA(Max); 3328 VA(UL de-rated)	3680 VA(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); TUV de-rated 15A(Max)
Maximum Output Current (Bank)	20A(Max);16A(UL de-rated)	16A(Max); TUV de-rated 15A(Max)
Maximum Output Current (Total)	20A(Max);16A(UL de-rated)	16A(Max); TUV de-rated 15A(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	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	CE-LVD, Others by Request

Product Overview (PE8216B / PE8216G)



Product Detail



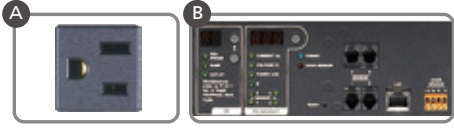
Specification > PE8324

Function	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	6240 VA(Max); 4992 VA(UL de-rated)	6240 VA(Max); 4992 VA(UL de-rated)	7360 VA(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)	NEMA 5-15R: 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); TUV de-rated 15A(Max)
Maximum Output Current (Bank)	15A(Max);12A(UL de-rated)	15A(Max);12A(UL de-rated)	16A(Max); TUV de-rated 15A(Max)
Maximum Output Current (Total)	30A(Max);24A(UL de-rated)	30A(Max);24A(UL de-rated)	32A(Max); TUV de-rated 30A(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

Product Overview (PE8324A)



Product Detail



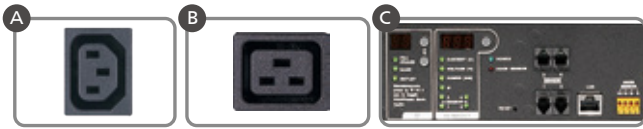
Outlet NEMA 5-15R

Front Panel

Product Overview (PE8324B)



Product Detail



Outlet IEC320 C13

Outlet IEC320 C19

Front Panel

Product Overview (PE8324G)



Product Detail



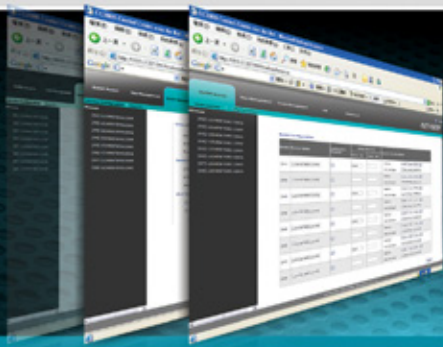
Outlet IEC320 C13

Outlet IEC320 C19

Front Panel

ECO SENSORS ECO DC

Energy & DCIM Management Software
Energy & DCIM Management Web GUI



What is eco Sensors / eco DC

eco Sensors and 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. ATEN's eco Sensors and eco DC not only give you the means to assess, diagnose and estimate your energy saving potential, they provide advice on the best way to do it.

Overview

ATEN's eco Sensors and eco DC perfectly synergize with NRGence™ Energy Intelligence PDUs to provide the mechanisms to optimize your energy needs. eco Sensors / eco DC and PDU can measure the Dynamic Rack Cooling Index (RCI) and Return Temperature Index (RTI). This allows data centers to analyze the operational efficiency of equipment versus the cost of cooling, in order to better manage power allocation. These indexes have been incorporated into the U.S. Department of Energy DC Pro software tools for data center energy assessments and the Data Center Energy Practitioner program.

Using ATEN's NRGence™ Energy Intelligence PDU and eco Sensors / eco DC, an administrator's data center is equipped with real time monitoring, measurements and EnPIs analysis that produce reports of power usage, PUE, RCI and RTI to meet the ISO 50001 requirements. With these critical indexes, you can generate customized reports about your data center's energy usage that include energy saving suggestions. Following these suggestions allows you to optimize energy usage and save energy without harming the IT equipment's reliability.

Eco DC is the new Web-based GUI that allows users log in to manage and control PDUs through web browser. No additional install or setup 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.

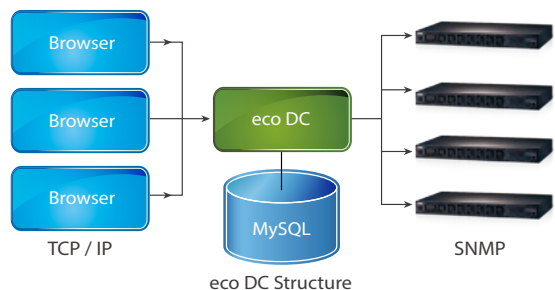
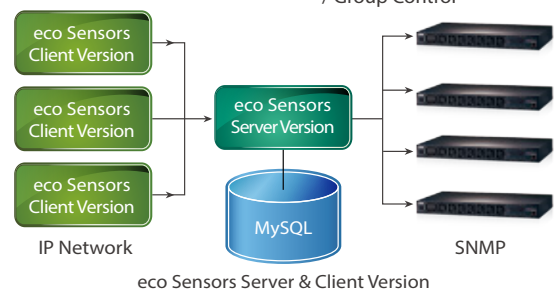
ATEN's eco Sensors is available in a Server and Client version. The Server version offers the full functionalities and is capable of managing the PDUs through SNMP and managing client nodes through TCP/IP. This allows multiple users to log in to the server node and manage PDUs in different authorized zones, making distributed PDU management much more efficient under one centralized environment. With the Client version, users can log in to a server node to monitor PDU status and control each outlet on the PDUs. Having the eco Sensors Server and Client version allows data centers to optimize their performance and centralize management with ease.

Server Version

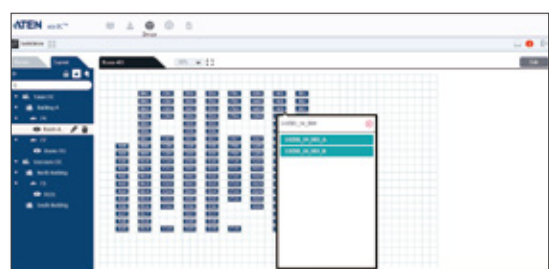
- Offers full functionalities of eco Sensors
- Manage clients through TCP/IP
- Manage PDUs through SNMP

Client Version

- Users are allowed to log in to the Server version
- Real time functions: Dashboard / Power Control / Group Control



eco Sensors: Real-time Rack Status Monitoring



eco DC: Real-time Rack Status Monitoring

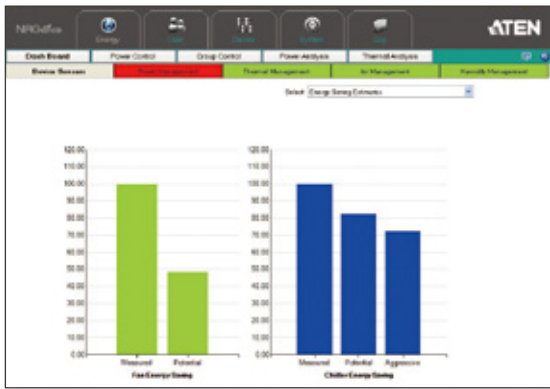
Benefits of eco Sensors / eco DC

Power Measurement and Scheduling by Zone
eco Sensors and eco DC allow 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.

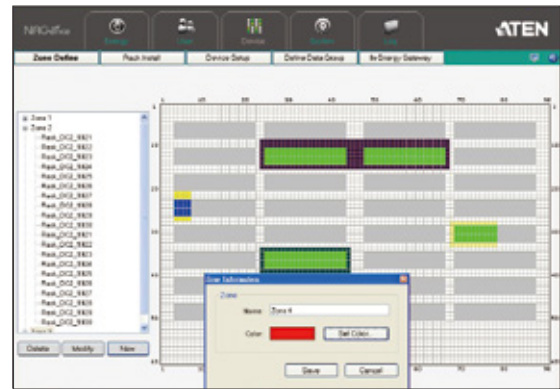
Power Analysis Report
eco Sensors and eco DC offer comprehensive power analysis reports which can be segmented by departments and locations. Both display trending charts in real-time or according to the day, month, year, or grasp the power consumption needs of each season. By knowing the actual power 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 Sensors and eco DC provide administrators with a real-time Rack Cooling Index[®] and dynamic power analysis to protect IT equipment from excess heat or insufficient power capacity.

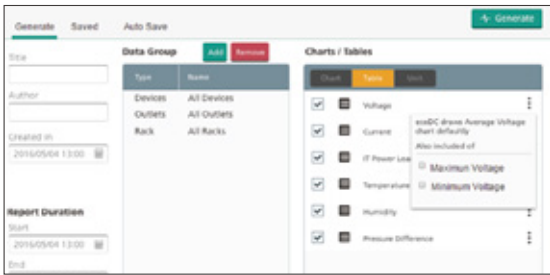
Fan Energy Saving & Chiller Energy Saving
eco Sensors and eco DC provide real-time power measurements and environmental monitoring of a data center from a variety of locations including: at the zone, rack, device or outlet level. By generating customized reports about your data center's status, administrators 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 Sensors: Energy Saving Estimates



eco Sensors: Zone Setting

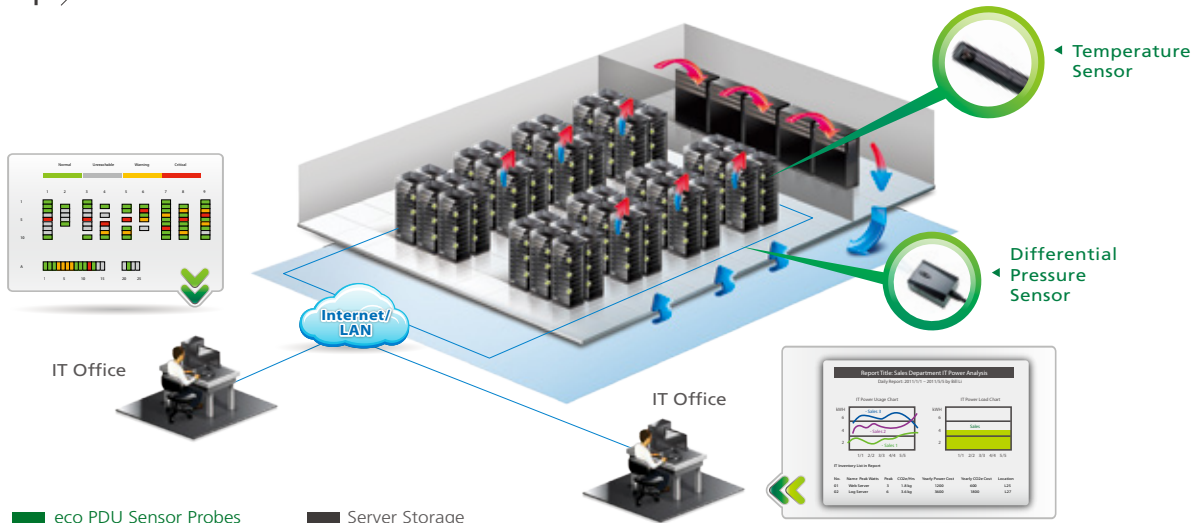


eco DC: Energy Report



eco DC: Zone Setting

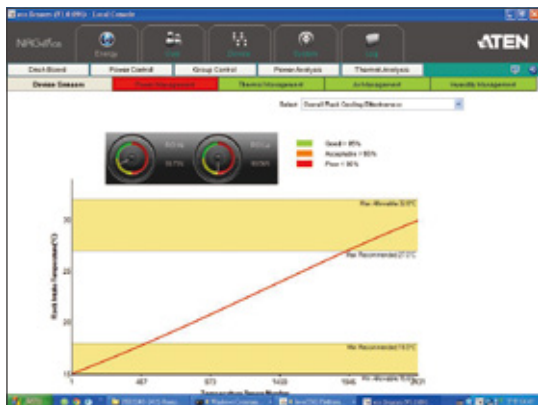
Setup >



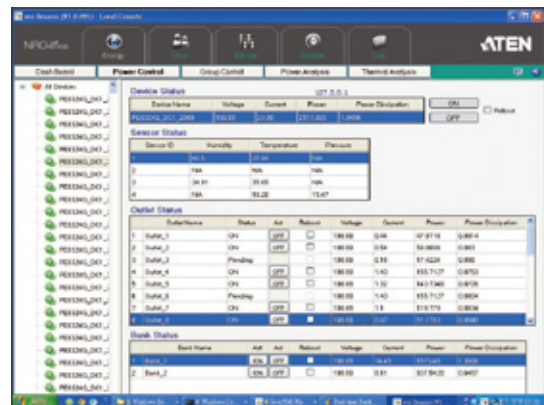
Features of eco Sensors and eco DC

- Automatic discovery of all PE 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, RTI, RCI, 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 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, RCI (Rack Cooling Index), RTI (Return Temperature Index), RHI (Rack Humidity Index), RPI (Rack Pressure Index), RAI (Rack Airflow Index)
- 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



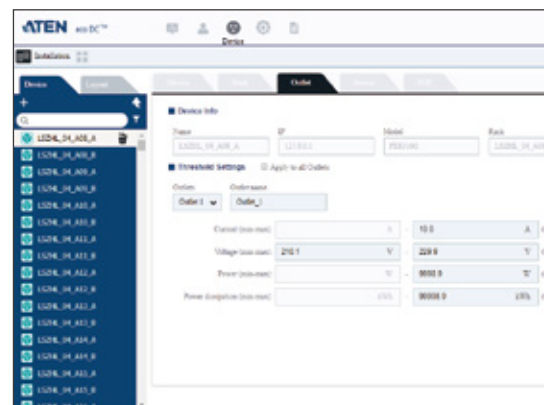
eco Sensors: Overall Rack Cooling Effectiveness



eco Sensors: Power Control



eco DC: Overall Rack Cooling Effectiveness



eco DC: Power Control

* Not all functions are supported by all eco PDU PE models. Please visit www.aten.com for more details.

Functions

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

4

Hardware Requirements

	eco Sensors		eco DC	
	Server Version	Client Version	Server Version	Client Version
Operating System	Windows 7 / Windows Server 2003 and later		Windows 7 / Windows Server 2003 and later	
CPU	2.5 GHz Quad Core	2.0 GHz Dual Core	2.5 GHz Quad Core	2.0 GHz Dual Core
Display	Larger than 1024 x 768		Larger than 1440 x 900	
Memory	4 GB	2 GB	8 GB	4 GB
Disk	500 GB	100 GB	1 TB	NA
Network	10/100 Mbps Ethernet		1 Gbps Ethernet	

System Parameters

	eco Sensors Server Version	eco DC
(Max) Accounts	128	1024
Concurrent Logins	8	32
(Max) PDUs	2500	3000
Data Center Layouts	45 x 30 / 72 x 48 / 90 x 60	45 x 30
(Max) Racks	1250	3000
(Max) Zones	128	NA
Power Report History	At least 3 years	At least 5 years
Real Time Dashboard Data	300 GB	NA

Professional Online 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)			
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)	10.1	10.3	10.0	10.1
Runtime at Full Load (min)	2.95	2.96	2.95	2.96
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			
Approval	RoHS			
Included Accessories	1x Rack Mounting Kit; 1x Rail Slide Kit; 1x RS-232 Cable; 1x USB Type A to B Cable 1x Installation CD; 3x Power Cable; 2x Vertical Mount Kit			

Specifications

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 \pm 5% @ 100% load 55-150 VAC \pm 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	\geq 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	\leq 2 % THDv(Linear Load) \leq 4 % THDv (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)	10.1	10.3	10.0	10.1
Runtime at Full Load (min)	2.95	2.96	2.95	2.96
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 Installation CD; 2x Vertical Mount Kit			

Specifications

Function	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			
Approvals	RoHS Compliant			
Included Accessories	1x Rack Mounting Kit; 1x Rail Slide Kit; 1x Battery cable; 1x Tower Extend Stand			

Standing Network Racks

RE24U100 / RE42U100 / RE42U120
RE48U100 / RE48U120
RS22U80 / RS42U100 / RS42U120
RS47U100 / RS47U120



RE24U100 / RE42U100 / RE42U120
RE48U100 / RE48U120
• 42U / 48U
• Weight capacity (kg) stationary: 1300
• Air permeability: 0.78

RS22U80 / RS42U100 / RS42U120
RS47U100 / RS47U120
• 42U / 47U
• Weight capacity (kg) stationary: 800
• Air permeability: 0.65

ATEN Racks are designed for mounting standard 19" rack-mount equipment – servers, routers, UPS systems, switches, audio/video devices – regardless of brand. All racks provide straightforward equipment organization, excellent security and simple cable management while enabling optimum airflow. There are two series available: The RE Series is perfect for advanced high-density server and networking applications, such as demanding data center environments, while the RS Series provides standard features for a more cost-effective rack solution.

RE Series

Massive Ventilation Rate

Perforated doors for massive front-to-rear airflow provide a ventilation rate up to 78%.

Heavy Loading Capacity

Static loading capacity up to 1500KG (without leveling feet and castors)

Easy Maintenance

Horizontally divided side panels provide easy access and convenient post-installation maintenance.

Optimized for Cable Management

Best design for cable management with large cable access slots and cable management rails.

RS Series

High Ventilation Hexagonal Perforation

Hexagonal perforated front and back doors provide higher tensile strength than round holes while ensuring efficient airflow and optimized ventilation

More Space for Cable Management

Vertical cable management rail design in 800mm wide rack provides more space for network cable management

High Loading Capacity

Static loading capacity up to 800KG

Specifications

Function	RE24U100	RE42U100	RE42U120	RE48U100	RE48U120
Physical Properties					
Rack Height (U Spaces)	24U	42U	42U	48U	48U
Type	Rack Enclosure				
Package Contents	Build-Up(Default) Knock-Down (Special Requirement)				
Mounting Hole Type	Square				
Color	Black				
Unit Dimensions(H*W*D)(mm)	1191 x 600 x 1070	1992 x 600 x 1070	1992 x 600 x 1200	2259 x 600 x 1070	2259 x 600 x 1200
Maximum Device Height(mm)	1191	1992	1992	2259	2259
Maximum Device Width(mm)	600	600	600	600	600
Maximum Device Depth(mm)	1070	1070	1200	1070	1200
Max/Min/Default Mounting(mm)	975 / 270 / 840	845 / 140 / 710	975 / 270 / 840	845 / 140 / 710	975 / 270 / 840
Maximum Mounting(mm)	975	845	975	845	975
Minimum Mounting(mm)	270	140	270	140	270
Default Mounting(mm)	840	710	840	710	840
Shipping Dimensions: Build-Up(mm)	1150 x 650 x 1341	1150 x 650 x 2150	1350 x 650 x 2150	1150 x 650 x 2420	1350 x 650 x 2420
Shipping Dimensions: Knock-Down(mm)	Package1: 1260 x 250 x 620 Package2: 1170 x 210 x 160 Package3: 1000 x 50 x 1010	Package1: 2075 x 260 x 620 Package2: 1000 x 80 x 850 Package3: 1970 x 210 x 155	Package1: 2045 x 260 x 620 Package2: 1130 x 80 x 850 Package3: 2230 x 210 x 155	Package1: 2315 x 260 x 620 Package2: 1000 x 80 x 985 Package3: 2230 x 210 x 155	Package1: 2315 x 260 x 620 Package2: 1130 x 80 x 985 Package3: 2230 x 210 x 155
Shipping Weight(kg)	100	156	165	180	197
Unit weight(kg)	80	125	140	149	160
Weight capacity stationary(kg)	1300	1300	1300	1300	1300
Weight capacity dynamic(kg)	1000	1000	1000	1000	1000
Material	SPCC Cold Rolled Steel				
Air permeability	0.78	0.78	0.78	0.78	0.78
Certifications					
Approvals	CE				
Certifications	RoHS				
Protection class	IP20				
Shipping					
Build-up packing Unit volume (CBM)	1.004	1.607	1.887	1.757	2.062
Knock-Down packing Unit volume (CBM)	Package1 : 0.20 Package2 : 0.04 Package3 : 0.05	Package1 : 0.33 Package2 : 0.07 Package3 : 0.06	Package1 : 0.33 Package2 : 0.08 Package3 : 0.07	Package1 : 0.37 Package2 : 0.08 Package3 : 0.07	Package1 : 0.37 Package2 : 0.09 Package3 : 0.07
Build-up package (20GP)	18	18	12	N.A.	N.A.
Build-up package (40GP)	36	36	24	N.A.	N.A.
Build-up package (40HQ)	70	36	26	36	26
Knock-Down package (20GP)	60	53	50	46	45
Knock-Down package (40GP)	120	112	106	96	93
Knock-Down package (40HQ)	138	130	123	113	109



Perforated single front door provides massive ventilation 78%.



The heavy duty castors support a rolling load capacity of 1000KG, allowing racks to be pre-configured and rolled to the final installation location.



The vertical rails can be adjusted in quarter-inch (6.4mm) increments covering any mounting requirements for IT equipment. U positions are numbered for rapid installation of equipment.

Specifications

Function	RS22U80	RS42U100	RS42U120	RS47U100	RS47U120
Physical Properties					
Rack Height (U Spaces)	22U	42U	42U	47U	47U
Type	Rack Enclosure				
Package Contents	Build-Up(Default)Knock-Down(Special Requirement)				
Mounting Hole Type	Square				
Color	Black				
Unit Dimensions(H*W*D)(mm)	1166 x 600 x 800	2055 x 600 x 1000	2055 x 600 x 1200	2277 x 600 x 1000	2277 x 600 x 1200
Maximum Device Height(mm)	1166	2055	2055	2277	2277
Maximum Device Width(mm)	600	600	600	600	600
Maximum Device Depth(mm)	800	1000	1200	1000	1200
Max/Min/Default Mounting(mm)	690 / 200 / 500	890 / 200 / 700	1190 / 200 / 900	890 / 200 / 700	1190 / 200 / 900
Maximum Mounting(mm)	690	890	1190	890	1190
Minimum Mounting(mm)	200	200	200	200	200
Default Mounting(mm)	500	700	900	700	900
Shipping Dimensions: Build-up(mm)	620 x 820 x 1180	620 x 1020 x 2065	620 x 1220 x 2065	620 x 1020 x 2290	620 x 1220 x 2290
Shipping Dimensions: Knock-Down (mm)	Package1: 1100 x 620 x 320 Package2 : 620 x 620 x 130	Package1: 1980 x 620 x 320 Package2: 620 x 1020 x 130 Package3: 1910 x 60 x 730	Package1: 1980 x 620 x 320 Package2: 620 x 1220 x 130 Package3: 1910 x 60 x 730	Package1: 2205 x 620 x 320 Package2: 620 x 1020 x 130 Package3: 2135 x 60 x 730	Package1: 2205 x 620 x 320 Package2: 620 x 1220 x 130 Package3: 2135 x 60 x 730
Shipping Weight(kg)	80	103	112	120	130
Unit weight(kg)	60	98	107	115	125
Weight capacity stationary(kg)	800	800	800	800	800
Weight capacity dynamic(kg)	600	600	600	600	600
Material	SPCC Cold Rolled Steel				
Air permeability	0.65	0.65	0.65	0.65	0.65
Certifications					
Approvals	CE				
Certifications	RoHS				
Protection class	IP20				
Shipping					
Build-up packing Unit volume (CBM)	0.6	1.31	1.71	1.45	1.9
Knock-Down packing Unit volume (CBM)	Package1 : 0.22 Package2 : 0.05	Package1 : 0.39 Package2 : 0.08 Package3 : 0.08	Package1 : 0.39 Package2 : 0.10 Package3 : 0.08	Package1 : 0.44 Package2 : 0.08 Package3 : 0.09	Package1 : 0.44 Package2 : 0.10 Package3 : 0.09
Build-up package (20GP)	25	23	13	23	13
Build-up package (40GP)	50	49	28	49	28
Build-up package (40HQ)	100	49	28	49	28
Knock-Down package (20GP)	95	51	46	47	43
Knock-Down package (40GP)	200	105	95	95	88
Knock-Down package (40HQ)	230	122	113	112	103
















Lockable and removable side panels, the side panel lock is optional.
















Adjustment is quick and convenient can slide them to the required depth and refasten.

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	
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	
Mounting Kits	2X-015G	Double Mount Rail	
	2X-016G	Slide Rail Kit	
UPS Accessories	SP100	SNMP Card	

Available Power Outlets & Input Plugs

Power Outlets	
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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