2018
2019

Product Catalog

ATEN NRGence™ Energy Intelligence PDUs

Simply Better Connections

Our Vision

"Simply Better Connections" has always been at the heart of the ATEN brand. It means providing innovative solutions for you to make better connections, efficiently and seamlessly, to the information and people that you value. As a result, ATEN connects you to the world, anytime and anywhere, by providing technologies that enable you to share and to care. ATEN makes professional and personal life easier and better connected.

About ATEN

ATEN International Co., Ltd., established in 1979, specializes in IT connectivity and management solutions that are uniquely positioned at the convergence of KVM and Pro A/V.

ATEN's Altusen™ IT infrastructure access and management solutions offer integrated KVM connectivity and control capabilities for Enterprise customers that facilitate the effective management of IT infrastructures from anywhere in the world. Our ATEN VanCryst™ Professional A/V range leverages our enhanced video and control capabilities and offers signal management and system control components to build a multitude of flexible integrated solutions for all home and professional audio/video-related applications. Our ATEN 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. Finally, our ATEN NRGence™ Green Energy line of intelligent power solutions offers sensor-enabled energy-saving hardware and software for data centers that provide real-time energy management and performance indicators.

Our 38+ years of excellence in connective technologies means that we are at the forefront of the seamless integration of A/V with IT. Whether it's for a corporate, education, manufacturing, industrial, government, hospitality or retail environment, ATEN shares infinite possibilities through connective technologies. We have 500+ issued international patents and global R&D teams that produce a constant stream of innovative solutions, resulting in a comprehensive portfolio of products available worldwide, all crowned by some of the best technical support and customer service in the industry.

Headquartered in Taiwan, ATEN has grown to include subsidiaries in China, Japan, Korea, Belgium, Australia, the U.S., the U.K., Russia, India, and Turkey – with R&D centers in Taiwan, China, and Canada.

ATEN

SOHO / SMB Solutions	Altusen™ Enterprise Solutions	VanCryst™ Professional A / V Solutions	NRGence™ Green Energy Solutions	IOGEAR® Consumer Electronics

• KVM Switches
  • Cable KVM
  • Desktop KVM
  • Rack KVM
  • LCD KVM / Console
  • Secure KVM
• KVM Extenders
• Computer Sharing Devices
• USB Solutions
• Data Communications
	• Over IP Solutions
	  • Management Software
	  • KVM over IP
	  • KVM over IP Extender
	  • Serial Console Server
	• KVM Switches
	  • Matrix KVM
	  • Cat 5 KVM Switch
	  • Dual Rail LCD KVM
		• Control System
		• Modular Matrix Solutions
		• Media Matrix Solutions
		• Media Distribution Solutions
		• Video Matrix Switches
		• Video Switches
		• Video Splitters
		• Video Extenders
		• Video Converters
			• Green Data Center
			  • Metered Rack PDU
			  • Switched Rack PDU
			  • Energy Ready PDU
			• DCIM Software
			  • Power Management
			  • Cooling Management
			  • Space Management
				• AV & Digital Home
				• Computer Accessories
				• Mobility
				• Networking
				• KVM & KVMP
				
				Note:
				IOGEAR brand is only available in North & South America and limited countries

Our Core Values

iCAN

Integrity
with pragmatism as our philosophy

Caring
with respect as our spirit

Ambition
with optimism as our attitude

Novelty
with added-value as our achievement

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Company Profile

CANADA R&D

USA (CA)

USA (NJ)

UK

BELGIUM

- Corporate Headquarters
- Asia-Pacific / Europe / America / Oceania
- R&D / Manufacturing

Global Sales and Service Network

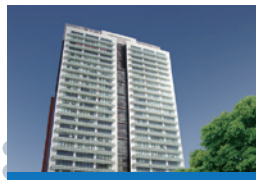
ATEN has built a global network of sales and engineering professionals to provide our customers with fast, efficient and comprehensive service. Our distribution channels and partners extend worldwide to more than 100 countries.

ATEN eNews

ATEN eNews is a monthly publication featuring the latest ATEN product developments, marketing and promotional resources, and corporate activities.

POLAND

RUSSIA


CHINA

KOREA

JAPAN

TAIWAN HQ

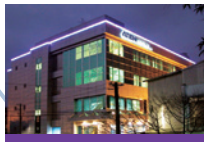
TAIWAN R&D

TAIWAN

TURKEY

INDIA

CHINA R&D


TAIWAN FACTORY

CHINA FACTORY

AUSTRALIA

ATEN eService

ATEN eService is a web portal which provides several ATEN online services, including technical support, product registration, and partner services. All services can be accessed with a single ID and password.

ATEN Partner Center

Authorized distributors can access the ATEN Partner Center to get the latest marketing materials, sales tools, technical documents, product certifications and more. Registered partners receive a monthly newsletter to stay up-to-date with ATEN's latest product news and events. ATEN also provides integrated marketing programs and promotions to assist partners in promoting ATEN products and services.

ATEN NRGence™ Energy Intelligence PDUs

At ATEN, we are committed to offering smart energy solutions for data centers. The NRGence™ Energy Intelligence solutions begin with a wide range of eco PDUs, developed to support ISO50001, that take intelligence to the next level by providing real-time energy management, control and energy-saving efficiency by allowing you to easily upgrade IT resources quickly and cost effectively. With long-term development in the data center solutions sector, ATEN's Energy Intelligence PDUs 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

Using 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 provides a complete comprehensive report of all the data being monitored.

• Proactive Overload Protection (POP)

ATEN's exclusive POP feature of 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. In addition, it displays 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) and RAI (Rack Airflow Index).

• 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, thin form factor design is available for saving more space in the rack to increase airflow, cooling efficiency and easier maintenance.

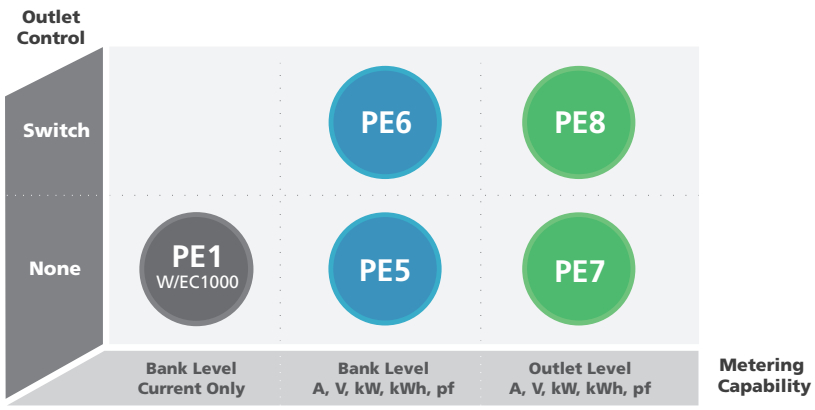
• Complete Range of Accessories

Proper accessories make the PDU installation easier and power management more efficient. In addition to the standard rack mounting kits, ATEN's exclusive cable holders can secure the connection of the power cords with the PDU outlets. ATEN environment sensors allow the real-time monitoring of your data center's temperature, humidity and pressure. Also, the door sensors assist the security management of the data center.

PDU Comparison

	Energy PDU Basic 0U Rack PDU	eco PDU Intelligent 1U Rack PDU				eco PDU Intelligent 0U Rack PDU			
Model	PE1216 PE1324	PE5108 PE5208	PE6108 PE6208	PE7108 PE7208	PE8108 PE8208	PE5221T PE5224T PE5316 PE5324 PE5324T PE5342T	PE6216 PE6324 PE6324L	PE7216 PE7324	PE8216 PE8324
Rack Space	0U	1U	1U	1U	1U	0U	0U	0U	0U
Outlet	16, 24	8	8	8	8	16, 21 24, 42	16, 24	16, 24	16, 24
Outlet Switching	N/A	N/A	•	N/A	•	N/A	•	N/A	•
Metering Capability	Bank Level via EC1000	Bank Level	Bank Level	Outlet Level	Outlet Level	Bank Level	Bank Level	Outlet Level	Outlet Level
Environment Monitoring	Via EC1000	•	•	•	•	•	•	•	•
eco Sensors Support	Via EC1000	•	•	•	•	•	•	•	•
Proactive Overload Protection	N/A	N/A	•	N/A	•	N/A	•	N/A	•
Door Sensor Support	N/A	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

- [x] Enable POP LIFO Mode
- [ ] Enable POP Priority Mode

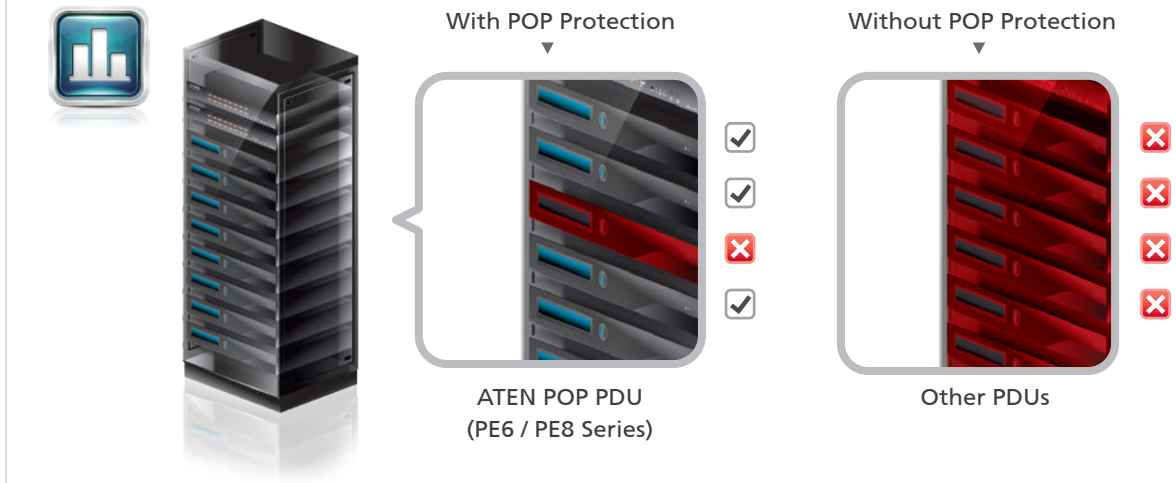
Priority Mode :

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

Bank 1 Priority Mode	
Priority 1	Outlet 9
Priority 2	Outlet 14
Priority 3	Outlet 12
Priority 4	Outlet 11
Priority 5	Outlet 16
Priority 6	Outlet 13
Priority 7	Outlet 10
Priority 8	Outlet 15

Bank 2 Priority Mode	
Priority 1	Outlet 18
Priority 2	Outlet 22
Priority 3	Outlet 19
Priority 4	Outlet 21
Priority 5	Outlet 20
Priority 6	Outlet 23
Priority 7	Outlet 17
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 support 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.

Energy BOX

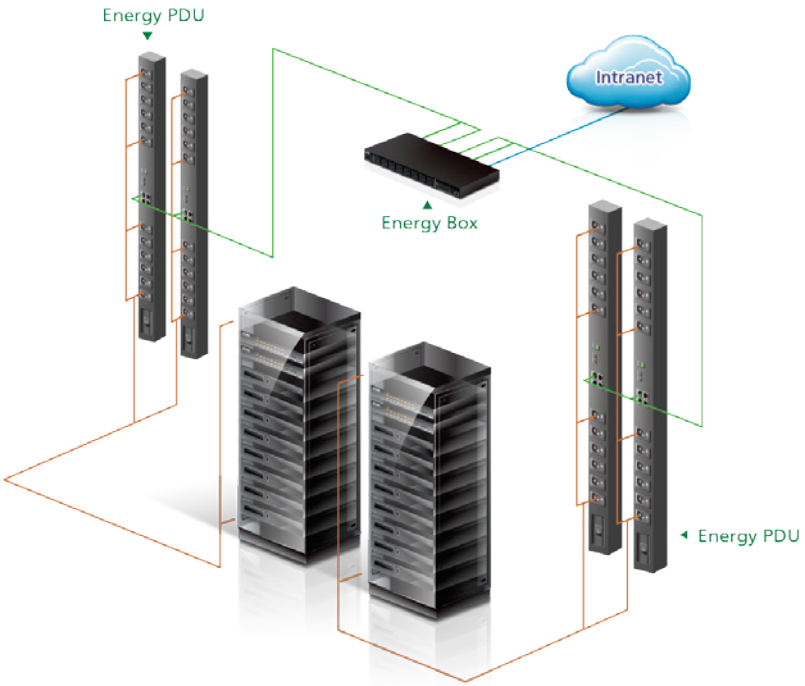
EC1000

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



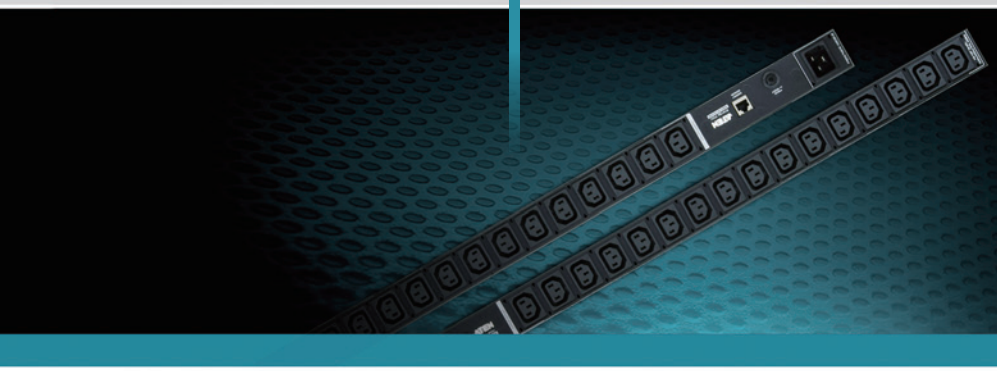
Specification 〉EC1000

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: ±0.1A@0 ~ 1A, ±1% >1A
Power Consumption	DC 5.3 V
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.)

Energy PDU

Basic 0U Rack PDU

PE1216 / PE1324



PE1216
- 16 Outlets, 0U
- Power metering and environment monitoring by EC1000 Energy Box

PE1324
- 24 Outlets, 0U
- Power metering and environment monitoring by EC1000 Energy Box

The Energy PDU series contains 16/24 AC outlets and is available in various IEC or NEMA socket configurations. It features a space-saving 0U design that allows it to be mounted vertically on the outside of a rack, resulting in a more efficient use of server room space.

- Space saving 0U rack mount design
- IEC or NEMA outlet models
- Real-time PDU current monitoring*

IEC System

Model	Rack Space	Input Voltage	(Max) AMP	Input Plug	# of Banks	Outlets	Outlet Control	Metering Level
PE1216G	0U	100-240V	16A	IEC 60320 C20	1 x 16A	16 x IEC320 C13	None	Bank (via EC1000)
PE1324G	0U	100-240V	32A	IEC 60309 32A	2 x 16A	24 x IEC320 C13	None	Bank (via EC1000)

NEMA System

Model	Rack Space	Input Voltage	(Max) AMP	Input Plug	# of Banks	Outlets	Outlet Control	Metering Level
PE1216A	0U	100-120V	20A	NEMA 5-20P	1 x 20A	16 x NEMA 5-15R	None	Bank (via EC1000)
PE1216B	0U	100-240V	20A	NEMA 6-20P	1 x 20A	16 x IEC320 C13	None	Bank (via EC1000)
PE1324B	0U	100-240V	30A	NEMA L6-30P	2 x 16A	24 x IEC320 C13	None	Bank (via EC1000)

* Requires the EC1000 Energy Box, sold separately.

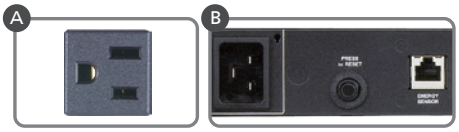
Note: Product information is subject to change without prior notification.

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)

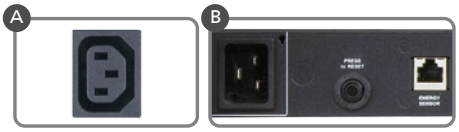
Product Detail



Outlet NEMA 5-15R

Product Overview (PE1216B / PE1216G)

Product Detail



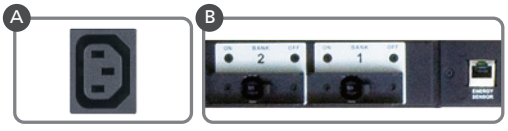
Outlet IEC320 C13

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

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: NEMA L5-20P For A2/J2: 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)

Front View

Rear View

Product Overview (PE5108B / PE5108G)

Front View

Rear View

Product Detail

Outlet NEMA 5-15R | Front Panel | Sensor Ports

Product Detail

Outlet IEC320 C13 | Front Panel | Sensor Ports

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)

Front View

Rear View

Product Overview (PE5208B / PE5208G)

Front View

Rear View

Product Detail

Outlet NEMA 5-20R | Front Panel | Sensor Ports

Product Detail

Outlet IEC320 C19 | Outlet IEC320 C13 | Front Panel | Sensor Ports

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)

Front View

Rear View

Product Overview (PE6108B / PE6108G)

Front View

Rear View

Product Detail

Outlet NEMA 5-15R | Front Panel | Sensor Ports

Product Detail

Outlet IEC320 C13 | Front Panel | Sensor Ports

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	1800VA(Max),1440VA(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)
Environment Sensor Ports	2
Outlet Switching	Yes
Metering Accuracy	Voltage range: 100VAC ~ 250VAC +/-1% Power range: 100W ~ 5000W +/- 2% Current range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%
Metering	Per Bank level Current, Voltage, VA , PF and KWh Monitoring
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)	TBD
Weight	TBD
Environmental	
Temperature (Operating / Storage)	0 – 50°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 Overview (PE6208B / PE6208G)

Front View

Rear View

Product Detail

Outlet NEMA 5-20R | Front Panel | Sensor Ports

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)	16A(Max)(UL de-rated)	16A(Max)	16A(Max)
Input Frequency	50-60 Hz			
Input Connection	A/J:NEMA L5-20P+IEC C19 A2/J2: NEMA 5-20P+IEC C19	NEMA 6-20P	IEC 60320 C20	Terminal Block
Input Power	2400VA(Max),1 920VA(UL de-rated)	4600VA(Max), 3680VA(UL de-rated)	3680 VA(Max)	3680 VA(Max)
Outlet Type	Total : 8 x NEMA 5-20R	Total: 8 x IEC320 C13	Total: 8 x IEC320 C13	Total: 8 x Terminal Block
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	Terminal Block: 16A
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)
Environment Sensor Ports	2			
Outlet Switching	Yes			
Metering Accuracy	Voltage range: 100VAC ~ 250VAC +/-1% Power range: 100W ~ 5000W +/- 2% Current range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%			
Metering	Per Bank level Current, Voltage, VA , PF and KWh Monitoring			
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 26.72 x 4.40 cm (17.02 x 10.52 x 1.73 in.)			
Weight	3.76 kg (8.28 lb)			
Environmental				
Temperature (Operating / Storage)	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, J55022	FCC Others by Request	CE-EMC, FCC, J55022 Others by Request	CE-EMC, FCC

Product Overview (PE6208AVG)

Front View

Rear View

Product Detail

Outlet IEC320 C13 | 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)

Front View

Rear View

Product Overview (PE7108B / PE7108G)

Front View

Rear View

Product Detail

Outlet NEMA 5-15R | Front Panel | Sensor Ports

Product Detail

Outlet IEC320 C13 | Front Panel | Sensor Ports

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 Overview (PE7208B / PE7208G)

Front View

Rear View

Product Detail

Outlet NEMA 5-20R | Front Panel | Sensor Ports

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		
Environment Sensor Ports	2		
Outlet Switching	Yes		
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)

Front View

Rear View

Product Overview (PE8108B / PE8108G)

Front View

Rear View

Product Detail

Outlet NEMA 5-15R | Front Panel | Sensor Ports

Product Detail

Outlet IEC320 C13 | Front Panel | Sensor Ports

Specification > PE8208

Function	PE8208A	PE8208B	PE8208G
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	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
Safety Verification	TUV-CB, cTUVus, Others by Request	TUV-CB, cTUVus, Others by Request	TUV-CB, CE-LVD, GOST, Others by Request

Product Overview (PE8208A)

Front View

Rear View

Product Overview (PE8208B / PE8208G)

Front View

Rear View

Product Detail

Outlet NEMA 5-20R | Front Panel | Sensor Ports

Product Detail

Outlet IEC320 C19 | Outlet IEC320 C13 | Front Panel | Sensor Ports

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

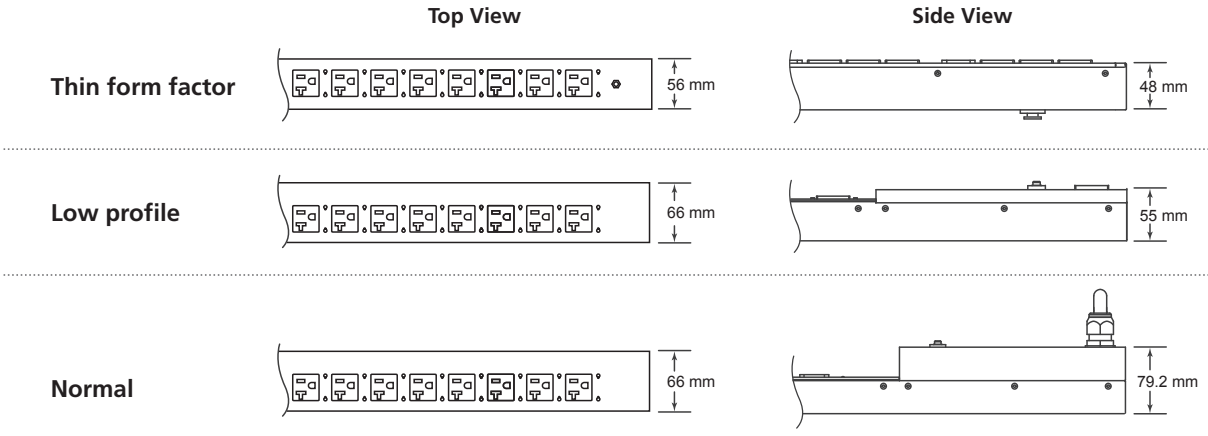
Model	Rack Space	Input Voltage	(Max) AMP	Input Plug	# of Banks	Outlets	Outlet Control	Metering Level
PE5221T**	0U	100-240V	16A	IEC 60320 C20	1 x 16A	18 x IEC320 C13 + 3 x IEC320 C19	None	Bank
PE5316	0U	100-240V	32A	IEC 60309 32A	2 x 16A	6 x IEC320 C13 + 10 x IEC320 C19	None	Bank
PE5324G	0U	100-240V	32A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

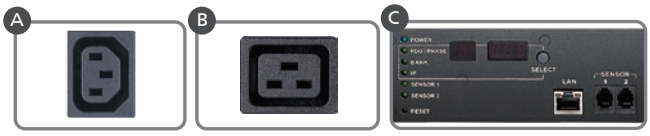


Specification 〉PE5221T

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



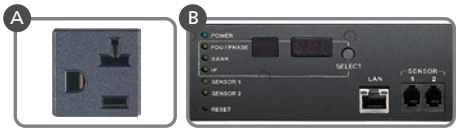
Outlet ICE320 C13 | Outlet ICE320 C19 | Front Panel

Specification 〉PE5224T

Function	PE5224TA
Electrical	
Nominal Input Voltage	100 – 120 VAC
Maximum Input Current	20A(Max)
Input Frequency	50-60 Hz
Input Connection	NEMA5-20P
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)
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	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

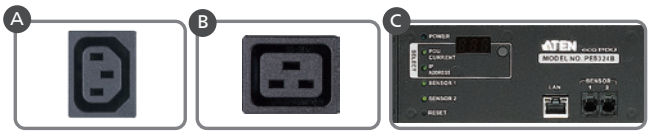
Outlet ICE320 C19 | Outlet ICE320 C13 | Front Panel

Specification 〉PE5324

Function	PE5324G
Electrical	
Nominal Input Voltage	100 – 240 VAC
Maximum Input Current	32A(Max)
Input Frequency	50-60 Hz
Input Connection	For G plug: 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



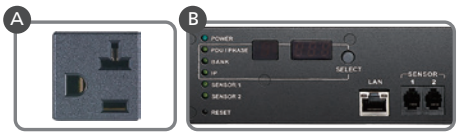
Outlet ICE320 C13 | Outlet ICE320 C19 | Front Panel

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)
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	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	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

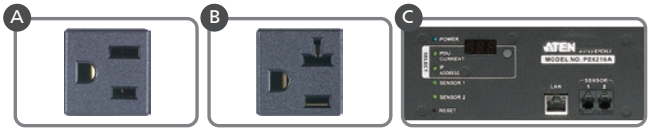
Outlet ICE320 C13 | Outlet ICE320 C19 | Front Panel

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)

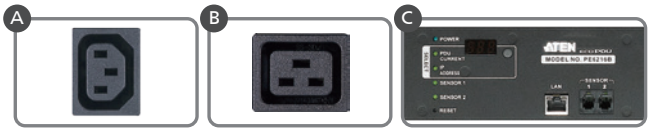
Product Detail



Outlet NEMA 5-15R | Outlet NEMA 5-20R | Front Panel

Product Overview (PE6216B / PE6216G)

Product Detail



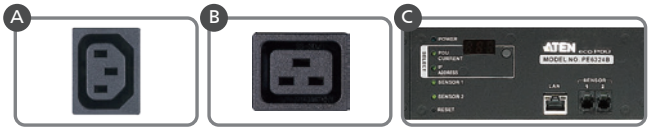
Outlet ICE320 C13 | Outlet ICE320 C19 | Front Panel

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



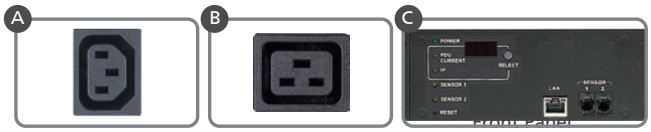
Outlet ICE320 C13 | Outlet ICE320 C19 | Front Panel

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



Outlet ICE320 C13

Outlet ICE320 C19

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	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

Outlet ICE320 C13 | Outlet ICE320 C19 | Front Panel

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

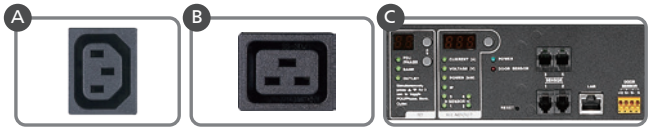
Outlet ICE320 C13 | Outlet ICE320 C19 | Front Panel

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



Outlet ICE320 C13 | Outlet ICE320 C19 | Front Panel

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)

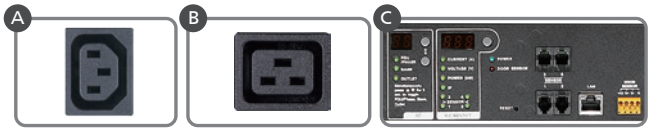
Product Detail

Outlet NEMA 5-15R

Front Panel

Product Overview (PE8324B)

Product Detail



Outlet ICE320 C13

Outlet ICE320 C19

Front Panel

Product Overview (PE8324G)

Product Detail

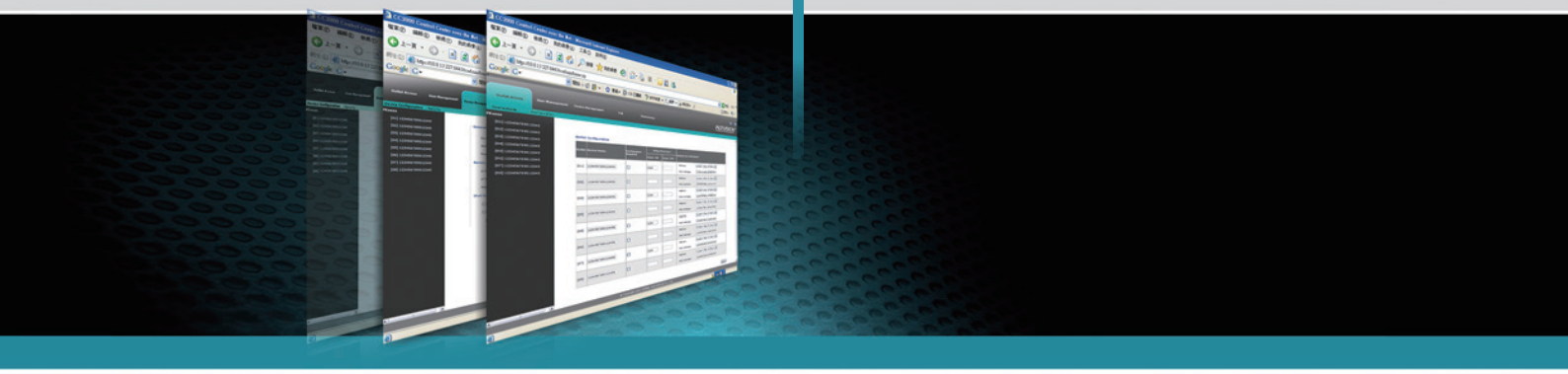
Outlet ICE320 C13

Outlet ICE320 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.

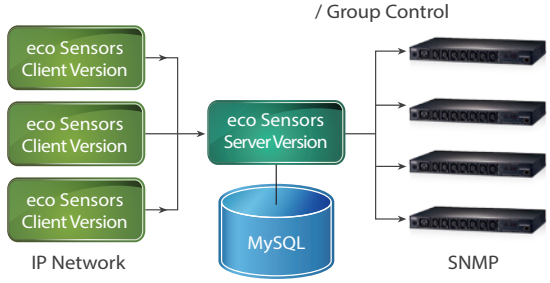
Using ATEN's NRGence™ Energy Intelligence PDU and eco Sensors / eco DC, an administrator's data center is equipped with real time monitoring, measurements and EnPIs analysis that produce reports of power usage, PUE, RCI and RTI to meet the ISO 50001 requirements. With these critical indexes, you can 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.

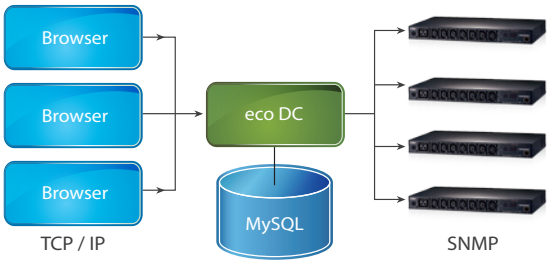
ATEN's eco Sensors is available in a Server and Client version. The Server version offers the full functionalities and is capable of managing the PDUs through SNMP and managing client nodes through TCP/IP. This allows multiple users to log in to the server node and manage PDUs in different authorized 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

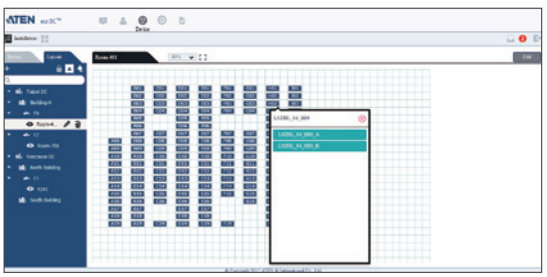


eco Sensors Server & Client Version



eco DC Structure

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.

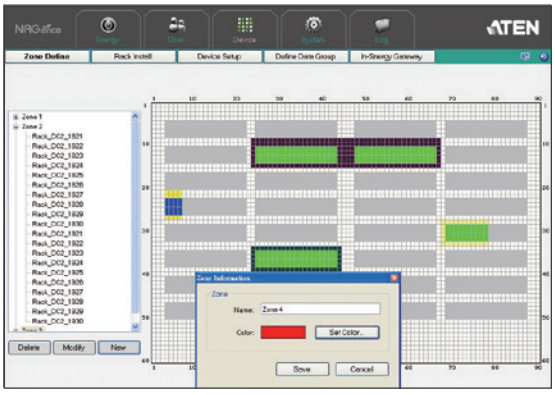
Optimum Data Center Energy Management

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.

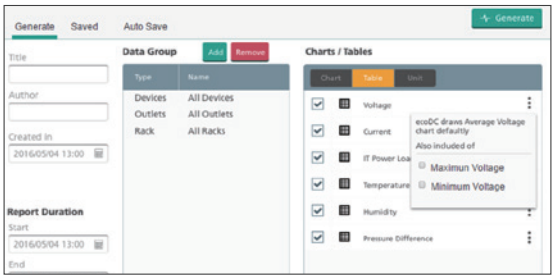
Fan Energy Saving & Chiller Energy Saving

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.

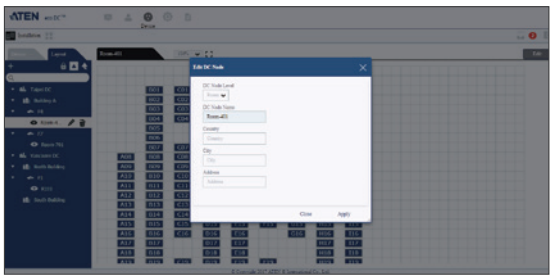
eco Sensors: Energy Saving Estimates



eco Sensors: Zone Setting

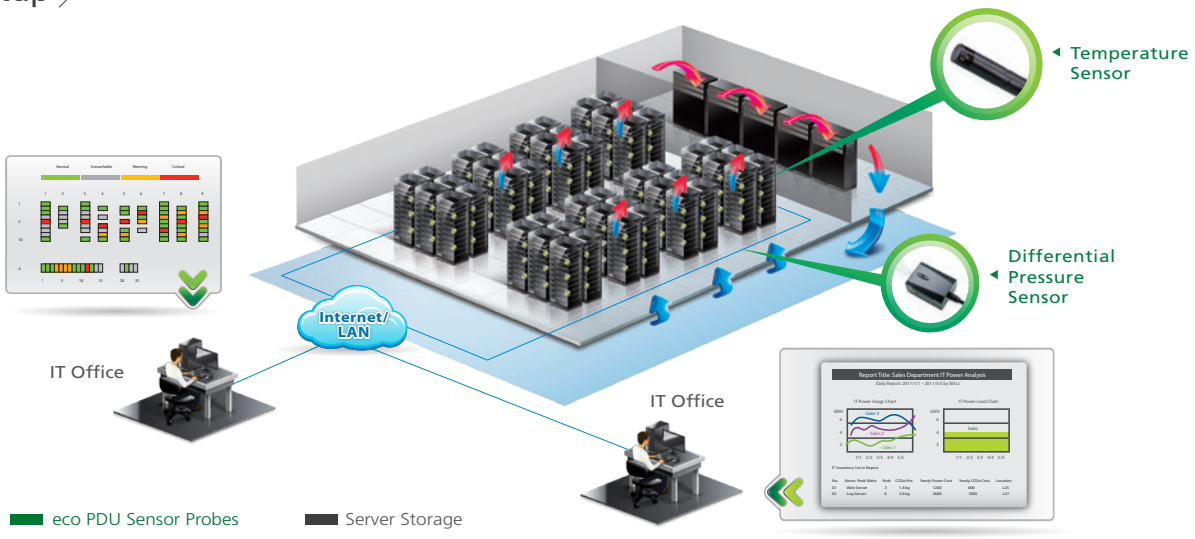


eco DC: Energy Report



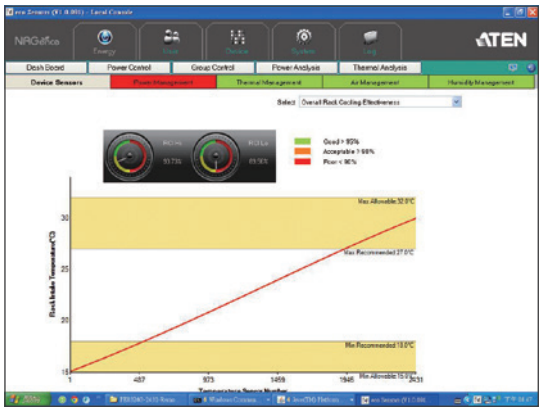
eco DC: Zone Setting

Setup

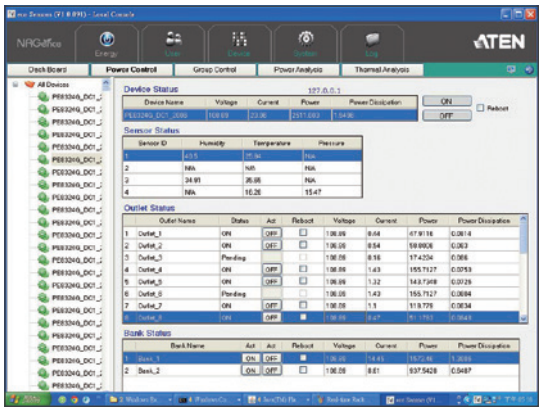


Features of eco Sensors and eco DC

- 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

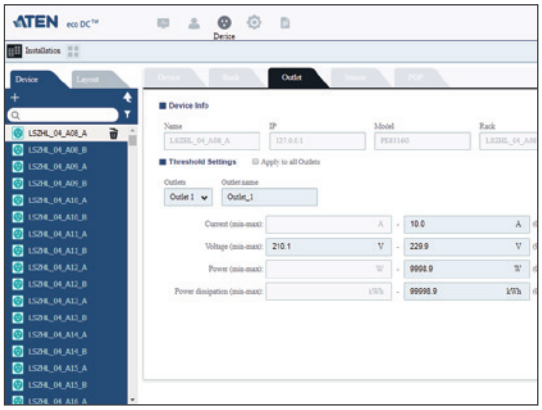


eco Sensors: Overall Rack Cooling Effectiveness



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	•

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

Racks and Accessories Solutions

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

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

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	Rack Enclosure	Rack Enclosure	Rack Enclosure	Rack Enclosure
Package Contents	Build-Up(Default) Knock-Down (Special Requirement)	Build-Up(Default) Knock-Down (Special Requirement)	Build-Up(Default) Knock-Down (Special Requirement)	Build-Up(Default) Knock-Down (Special Requirement)	Build-Up(Default) Knock-Down (Special Requirement)
Mounting Hole Type	Square	Square	Square	Square	Square
Color	Black	Black	Black	Black	Black
Unit Dimensions(H*W*D)	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	1191	1992	1992	2259	2259
Maximum Device Width	600	600	600	600	600
Maximum Device Depth	1070	1070	1200	1070	1200
Max/Min/Default Mounting	975 / 270 / 840	845 / 140 / 710	975 / 270 / 840	845 / 140 / 710	975 / 270 / 840
Maximum Mounting	975	845	975	845	975
Minimum Mounting	270	140	270	140	270
Default Mounting	840	710	840	710	840
Shipping Dimensions (H x W x D)	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 Weight	100	156	165	180	197
Unit weight	80	125	140	149	160
Weight capacity stationary	1300	1300	1300	1300	1300
Weight capacity dynamic	1000	1000	1000	1000	1000
Material	SPCC Cold Rolled Steel	SPCC Cold Rolled Steel	SPCC Cold Rolled Steel	SPCC Cold Rolled Steel	SPCC Cold Rolled Steel
Air permeability	0.78	0.78	0.78	0.78	0.78
Certifications					
Protection class	IP20	IP20	IP20	IP20	IP20
Shipping					
BU Unit volume (CBM)	1.004	1.607	1.887	1.757	2.062
KD Unit volume (CBM)	0.32	0.503	0.526	0.58	0.62
BU package (20GP)	18	18	12	/	/
BU package (40GP)	36	36	24	/	/
BU package (40HQ)	70	36	26	36	26
KD package (20GP)	60	53	50	46	45
KD package (40GP)	120	112	106	96	93
KD 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	Rack Enclosure	Rack Enclosure	Rack Enclosure	Rack Enclosure
Package Contents	Build-Up(Default) Knock-Down (Special Requirement)	Build-Up(Default) Knock-Down (Special Requirement)	Build-Up(Default) Knock-Down (Special Requirement)	Build-Up(Default) Knock-Down (Special Requirement)	Build-Up(Default) Knock-Down (Special Requirement)
Mounting Hole Type	Square	Square	Square	Square	Square
Color	Black	Black	Black	Black	Black
Unit Dimensions(H*W*D)	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	1166	2055	2055	2277	2277
Maximum Device Width	600	600	600	600	600
Maximum Device Depth	800	1000	1200	1000	1200
Max/Min/Default Mounting	690 / 200 / 500	890 / 200 / 700	1190 / 200 / 900	890 / 200 / 700	1190 / 200 / 900
Maximum Mounting	690	890	1190	890	1190
Minimum Mounting	200	200	200	200	200
Default Mounting	500	700	900	700	900
Shipping Dimensions (H x W x D)	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 Weight	80	103	112	120	130
Unit weight	60	98	107	115	125
Weight capacity stationary	800	800	800	800	800
Weight capacity dynamic	600	600	600	600	600
Material	SPCC Cold Rolled Steel	SPCC Cold Rolled Steel	SPCC Cold Rolled Steel	SPCC Cold Rolled Steel	SPCC Cold Rolled Steel
Air permeability	0.65	0.65	0.65	0.65	0.65
Certifications					
Protection class	IP20	IP20	IP20	IP20	IP20
Shipping					
BU Unit volume (CBM)	0.60	1.31	1.71	1.45	1.90
KD Unit volume (CBM)	0.28	0.57	0.62	0.61	0.65
BU package (20GP)	25	23	13	23	13
BU package (40GP)	50	49	28	49	28
BU package (40HQ)	100	49	28	49	28
KD package (20GP)	95	51	46	47	43
KD package (40GP)	200	105	95	95	88
KD 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	
	2X-017G	Button Mount Kit	
	2X-018G	Side Panel Mount Kit	
	2X-019G	Side Panel Double Mount Kit	

Available Power Outlets & Input Plugs

Power Outlets	
IEC 60320 C13	
IEC 60320 C19	
NEMA 5-15R	
NEMA 5-20R	
Input Plugs	
IEC 60320 C14	
IEC 60320 C20	
IEC 60309 32A	
NEMA 5-15P	
NEMA 5-20P	
NEMA L5-30P	
NEMA 6-15P	
NEMA 6-20P	
NEMA 6-30LP	

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