PE5220s
eco PDU

● As part of its NRGence line, ATEN has developed a new generation of green energy power distribution units (PDUs) to effectively increase the efficiency of data center power usage. The NRGence PE5220s eco PDU is an intelligent PDU that contains 20 AC outlets and is available in various IEC or NEMA socket configurations. It provides the ability to monitor the center's health environment via sensors*.

NRGence eco PDU offers real-time power measurement - allowing you to monitor the power status of devices attached to the PDUs, either at the PDU device or Bank level, from practically any location via a TCP/IP connection.

It also offers comprehensive power analysis reports – providing precise measurements of current, voltage, power and watt-hour in a real-time display.

NRGence eco PDU supports any 3rd party v1, v2 & v3 SNMP Manager Software and ATEN eco Sensors (eco PDU Manager Software). eco Sensors provides you with an easy method for managing multiple devices, offering an intuitive and user-friendly Graphical User Interface that allows you to configure a PDU device and monitor power status of the equipment connected to it.

With its advanced security features and ease of operation, the eco PDU is the most convenient, most reliable, and most cost effective way to remotely monitor power status for multiple computer installations and allocate power resources in the most efficient way possible.

* Note: 1. Sensors are optional accessories. A sensor-enabled installation is required to generate a more complete energyefficientdata and chart. Higher sensor installation density is helpful to generate more accurate data.
2. eco PDUs are primarily designed for access via Intranet; extra network security protection is suggested for Internet access usage.

PE5220sA
ECO PDU

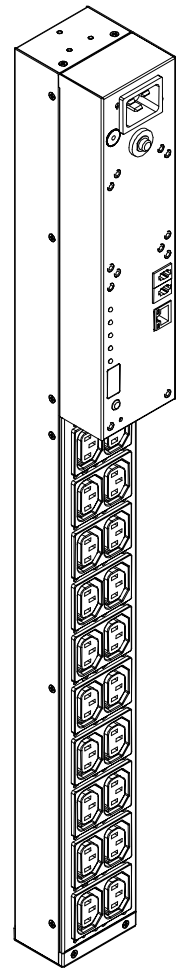|	
Description:	100-120V 20A 0U 20-Outlet PDU
Function:	0-Outlet Metering, 0-Outlet Switching Control & 1-Bank Metering
Input Power Plug:	NEMA 5-20P
Power Capacity:	2.4 kW
Socket Configuration:	NEMA 5-15R (20)

Features

Connections
• Support 10/100Mbit Ethernet Interface
• Support TCP/IP, UDP, HTTP, HTTPS, SSL, DHCP, SMTP, NTP,DNS, Auto Sense, Ping, SNMP V1,V2&V3
• Support 2-level account/password security, IP/MAC filter, 128 bit SSL, RADIUS
• Support : eco Sensors, Browser (IE, Firefox, Chrome, Safari)

Metering
• Bank level power metering and monitoring
• Environment Monitoring : support external temperature/ temperature & humidity sensors for rack temperature and humidity monitoring
• Current, voltage, power, power dissipation, temperature, and humidity metering and threshold level setting

Outlet Switch Control
• Always On

Specifications

Model	PE5220sA
Electrical	
Nominal Input Voltage	100 – 120 VAC
Maximum Input Current	20A Max ; 16A (UL de-rated)
Input Frequency	50-60 Hz
Input Connection	1 x NEMA 5-20P
Input Power	2400 VA(Max) 1920 VA (UL de-rated)
Outlet Type	Total : 20 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)	20A(Max) 16A (UL de-rated)
Maximum Output Current (Total)	20A(Max) 16A (UL de-rated)
Breakers	1 x 20A Non-Fuse breaker
Metering	Per Bank level Current, Voltage, VA , PF and KWh Monitoring
Outlet Switch	None
Environment Sensor Port	2
Metering Accuracy	Voltage range: 100VAC ~ 250VAC +/-2% Power range: 100W ~ 5000W +/- 3% Current range: 0.1A~1A +/- 0.1A, 1A~20A +/-2%
Mechanical	
Dimension (H x W x D)	69.1 x 6.6 x 4.4 cm
Shipping Dimensions (H x W x D)	77.9x16.7x17.3 cm
Weight/Shipping Weight	2.1/4 Kg
Power Cord Length	3 m
Environmental	
Operating Temperature	0˚C – 50˚C
Storage Temperature	-20 – 60˚C
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing
Compliance	
EMC Verification	FCC Part 15 Class A, Others by Reuest
Safety Verification	TUV-CB, Others by Reuest

Package Contents

1. PE5220sA
2. Standard Rack Mount Kit
3. Quick Start Guide
4. CD-ROM (Manual, eco Sensors Software)
5. Power Cord

Rack Mount Kit

Optional Accessories

Environment Sensors

Part No.	Sensor
EA1140	Temperature
EA1240	Temperature / Humidity
EA1340	Differential Pressure / Temperature

Cable Holders

Part No.	Description
2X-EA07	Lok-U-Plug Cable Holder (10 pcs per pack) Patent Pending!
2X-EA08	Lok-U-Plug Installation Tool (4 pcs per pack)

• Lok-U-Plug Installation
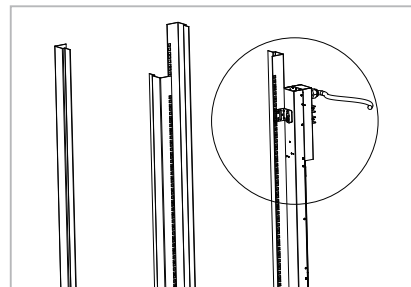
Mounting Kit

Button Mount Kit (2X-017G)

Side Panel Mount Kit (2X-018G)

2X-018G

• Button Mount Installation

PE5220sB
ECO PDU

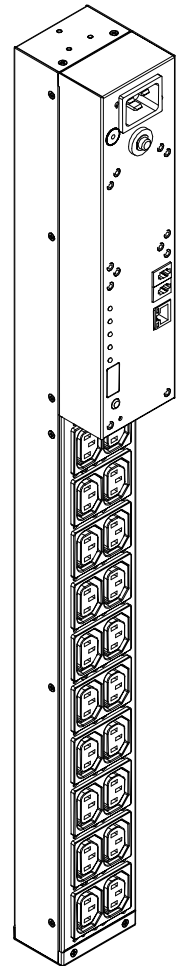|	
Description:	100-240V 20A 0U 20-Outlet PDU
Function:	0-Outlet Metering, 0-Outlet Switching Control & 1-Bank Metering
Input Power Plug:	NEMA 6-20P
Power Capacity:	4.2 kW
Socket Configuration:	IEC 60320 C13 (20)

Features

Connections
- Support 10/100Mbit Ethernet Interface
- Support TCP/IP, UDP, HTTP, HTTPS, SSL, DHCP, SMTP, NTP,DNS, Auto Sense, Ping, SNMP V1,V2&V3
- Support 2-level account/password security, IP/MAC filter, 128 bit SSL, RADIUS
- Support : eco Sensors, Browser (IE, Firefox, Chrome, Safari)

Metering
- Bank level power metering and monitoring
- Environment Monitoring : support external temperature/ temperature & humidity sensors for rack temperature and humidity monitoring
- Current, voltage, power, power dissipation, temperature, and humidity metering and threshold level setting

Outlet Switch Control
- Always On

Specifications

Model	PE5220sB
Electrical	
Nominal Input Voltage	100 – 240 VAC
Maximum Input Current	20A Max ; 16A (UL de-rated)
Input Frequency	50-60 Hz
Input Connection	1 x NEMA 6-20P
Input Power	4160 VA(Max) 3328 VA (UL de-rated)
Outlet Type	Total : 20 x IEC320 C13
Nominal Output Voltage	100 – 240 VAC
Maximum Output Current (Outlet)	C13 : 15A (Max) 12A(UL de-rated)
Maximum Output Current (Bank)	20A(Max) 16A (UL de-rated)
Maximum Output Current (Total)	20A(Max) 16A (UL de-rated)
Breakers	1 x 20A Non-Fuse breaker
Metering	Per Bank level Current, Voltage, VA , PF and KWh Monitoring
Outlet Switch	None
Environment Sensor Port	2
Metering Accuracy	Voltage range: 100VAC ~ 250VAC +/-2% Power range: 100W ~ 5000W +/- 3% Current range: 0.1A~1A +/- 0.1A, 1A~20A +/-2%
Mechanical	
Dimension (H x W x D)	69.1 x 6.6 x 4.4 cm
Shipping Dimensions (H x W x D)	77.9x16.7x17.3 cm
Weight/Shipping Weight	2.1/4 Kg
Power Cord Length	3 m
Environmental	
Operating Temperature	0˚C – 50˚C
Storage Temperature	-20 – 60˚C
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing
Compliance	
EMC Verification	FCC Part 15 Class A, Others by Reuest
Safety Verification	TUV-CB, Others by Reuest

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Optional Accessories

Environment Sensors

Part No.	Sensor
EA1140	Temperature
EA1240	Temperature / Humidity
EA1340	Differential Pressure / Temperature

Cable Holders

Part No.	Description
2X-EA07	Lok-U-Plug Cable Holder (10 pcs per pack) Patent Pending!
2X-EA08	Lok-U-Plug Installation Tool (4 pcs per pack)

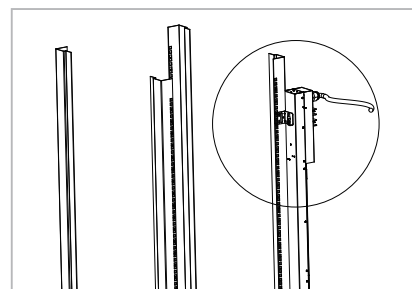• Lok-U-Plug Installation

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Side Panel Mount Kit (2X-018G)

2X-018G

• Button Mount Installation

PE5220sG
ECO PDU

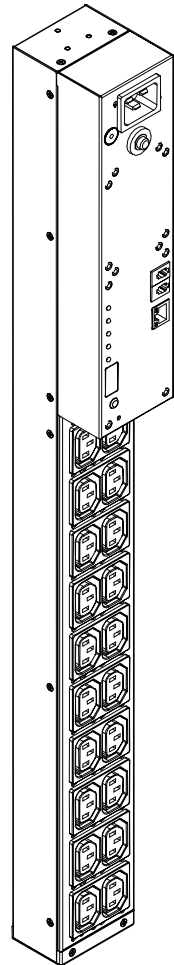| Description:	100-240V 16A 0U 20-Outlet PDU
Function:	0-Outlet Metering, 0-Outlet Switching Control & 1-Bank Metering
Input Power Plug:	IEC 60320 C20
Power Capacity:	3.7 kW
Socket Configuration:	IEC 60320 C13 (20)

Features

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• Support 10/100Mbit Ethernet Interface
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Specifications

Model	PE5220sG
Electrical	
Nominal Input Voltage	100 – 240 VAC
Maximum Input Current	16A Max
Input Frequency	50-60 Hz
Input Connection	1 x IEC60320 C20
Input Power	3680 VA(Max)
Outlet Type	Total : 20 x IEC320 C13
Nominal Output Voltage	100 – 240 VAC
Maximum Output Current (Outlet)	C13 : 10A (Max)
Maximum Output Current (Bank)	16A(Max)
Maximum Output Current (Total)	16A(Max)
Breakers	1 x 16A Non-Fuse breaker
Metering	Per Bank level Current, Voltage, VA , PF and KWh Monitoring
Outlet Switch	None
Environment Sensor Port	2
Metering Accuracy	Voltage range: 100VAC ~ 250VAC +/-2% Power range: 100W ~ 5000W +/- 3% Current range: 0.1A~1A +/- 0.1A, 1A~20A +/-2%
Mechanical	
Dimension (H x W x D)	69.1 x 6.6 x 4.4 cm
Shipping Dimensions (H x W x D)	77.9x16.7x17.3 cm
Weight/Shipping Weight	2.1/4 Kg
Power Cord Length	3 m
Environmental	
Operating Temperature	0˚C – 50˚C UL 60950 (EN 60950 de-rated 0˚C 30˚C)
Storage Temperature	-20 – 60˚C
Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing
Compliance	
EMC Verification	CE, Others by Request
Safety Verification	TUV-CB, CE-LVD, Others by Request

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2X-018G

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