

## PE5220s

eco PDU



As part of its NRGence line, ATEN has developed a new generation of green energy power distribution units ([PDU](#)s) 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 [PDU](#)s, 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 energy efficient data and chart. Higher sensor installation density is helpful to generate more accurate data.
2. eco [PDU](#)s are primarily designed for access via Intranet; extra network security protection is suggested for Internet access usage.

### Features

- **Connections**
  - Support 10/100Mbit Ethernet Interface
  - Support TCP/IP, UDP, HTTP, HTTPS, SSL, DHCP, SMTP, NTP, DNS, Auto Sense, Ping, Telnet, and 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

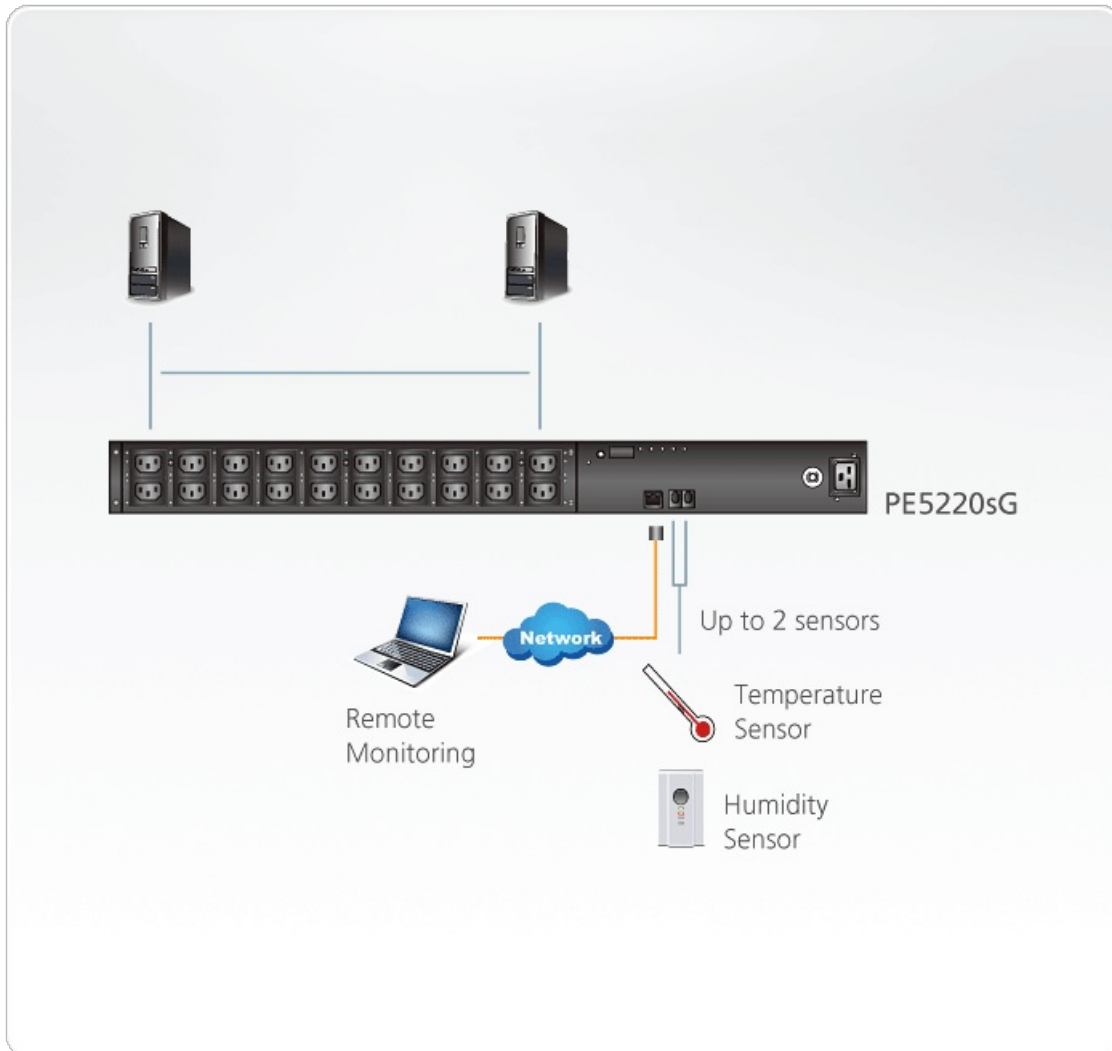
### Specifications

Function	PE5220sA	PE5220sB	PE5220sG
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	50-60 Hz	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: 20 x NEMA 5-15R	Total: 20 x IEC320 C13	Total: 20 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)	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	Bank level Current, Voltage, VA , PF and KWh Monitoring	Bank level Current, Voltage, VA , PF and KWh Monitoring
Outlet Switching	None	None	None
Environment Sensor Ports	2	2	2
Metering Accuracy	Voltage Range: 100VAC ~ 250VAC +/-1% Power Range: 100W ~ Maximum Capacity +/- 2% Current Range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%	Voltage Range: 100VAC ~ 250VAC +/-1% Power Range: 100W ~ Maximum Capacity +/- 2% Current Range: 0.1A~1A +/- 0.1A, 1A~20A +/-1%	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)	69.14 x 6.60 x 4.40 cm (27.22 x 2.6 x 1.73 in.)	69.14 x 6.60 x 4.40 cm (27.22 x 2.6 x 1.73 in.)	69.14 x 6.60 x 4.40 cm (27.22 x 2.6 x 1.73 in.)
Weight	2.13 kg ( 4.69 lb )	2.13 kg ( 4.69 lb )	2.13 kg ( 4.69 lb )
Power Cord Length	3 m	3 m	3 m
Environmental			
Operating Temperature	0–50°C	0–50°C	0–50°C UL 60950(EN 60950 de-rated 0°C–30°C)
Storage Temperature	-20–60°C	-20–60°C	-20–60°C

Humidity (Operating & Storage)	0 – 80% RH, Non-Condensing	0 – 80% RH, Non-Condensing	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	TUV-CB, Others by Request	TUV-CB, Others by Request	TUV-CB, CE-LVD, Others by Request
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.		

**Diagram**



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