1000 Eaton Boulevard
Cleveland, OH 44122
United States

10kW 3-Phase Monitored PDU, 200/208/240V Outlets (42 C13 & 6 C19), IEC-309 30A Blue, 10 ft. Cord, 0U Vertical, TAA

MODEL NUMBER: **PDU3VN10G30**





High-capacity 10kW PDU powers high-density data center equipment racks. LED display and Ethernet interface help you monitor load levels with billing-grade accuracy to prevent PDU and circuit overloads that cause downtime.

Description

The PDU3VN10G30 10kW 3-Phase Monitored PDU features 48 outlets for distributing network-grade 200/208/240V AC power to rack-mounted network devices, including computers, servers, routers and switches. Outlets are arranged in three separate load banks, each with 16 outlets (14 C13 and two C19) and a dedicated 20A circuit breaker.

A built-in SNMPWEBCARD enables full remote access for power monitoring, configuration, control and notifications 24 hours a day via secure web browser, telnet or SSH, as well as real-time load/current data with billing-grade accuracy (+/- 1 percent). Tiered access privileges allow both an administrator and a guest to log in. Automated alerts help prevent accidental overloads, power loss and downtime. Digital LED display indicates amps, kilowatts, volts and power unbalance percentage, as well as temperature and humidity conditions when using the optional ENVIROSENSE module (sold separately).

Protocols supported include HTTP, HTTPS, PowerAlert®, SMTP, SNMPv1, SNMPv2, SNMPv3, telnet, SSH, FTP, DHCP, BOOTP and NTP. Network settings can be assigned automatically or manually.

Ideal for three-phase network configurations in high-density data centers and heavily configured equipment racks, the PDU3VN10G30 mounts vertically in 0U of rack space using the pre-installed buttons or included hardware. The IEC-309 30A Blue (3P+E) input plug with 10-foot cord connects to a compatible AC power source, generator or protected UPS.

Features

Highlights

- Ideal for 3-phase configurations in high-density data centers
- 3-phase input and single-phase 200/208/240V output
- 48 outlets (42 C13, 6 C19) in 3 load banks with 20A breakers
- Ethernet network interface for full remote access 24/7
- Digital LED display for local load monitoring

Package Includes

- PDU3VN10G30 10kW 200/208/240V 3-Phase Monitored PDU, 10 ft. cord
- (42) C13/C14 plug-lock inserts
- (6) C19/C20 plug-lock inserts
- Spare mounting buttons
- (2) Conventional mounting brackets
- Configuration cable for network interface
- Button/bracket-mounting hardware
- Owner’s manual

1000 Eaton Boulevard
Cleveland, OH 44122
United States

Distributes Network-Grade Power
- 42 C13 and 6 C19 outlets distribute network-grade power to connected equipment
- 3 load banks with individual 20A circuit breakers
- Outlets numbered and color-coded for easy identification of phase and load bank

Multi-Function Digital LED Display
- Indicates amps, watts, volts, power unbalance percentage, as well as selected input phase, load bank, output power and sensor option
- Rotates 180° for overhead or raised-floor power feeds

Advanced Network Monitoring
- Built-in SNMPWEBCARD enables full remote access for power monitoring, configuration and control via secure web browser, telnet or SSH
- Real-time load/current data with billing-grade accuracy (+/- 1%)
- Tiered access allows administrator and guest to log in
- Automated alerts help prevent accidental overloads, power loss and downtime
- Optional ENVIROSENSE module (sold separately) monitors temperature and humidity conditions

Broad Communications Compatibility
- Supports HTTP, HTTPS, PowerAlert, SMTP, SNMPv1, SNMPv2, SNMPv3, telnet, SSH, FTP, DHCP, BOOTP and NTP
- Network settings can be automatically or manually assigned via permanent IP addresses

Connects to AC Power Source
- IEC-309 30A Blue (3P+E) input plug with 10 ft. cord for connection to mains power source, generator or protected UPS
- Plug-lock inserts keep equipment power cords connected to outlets

Ready for Immediate 0U Toolless Rack-Mounting
- Pre-installed buttons for toolless mounting in compatible EIA-standard 2-post and 4-post racks
- Conventional 0U installation possible with included mounting hardware

TAA-Compliant
- Complies with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

Specifications

OVERVIEW	
UPC Code	037332155856
PDU Type	Monitored
INPUT	
Recommended Electrical Service	30A 208V with IEC309 30A Blue (3P+E) outlet
Maximum Input Amps	24

1000 Eaton Boulevard
Cleveland, OH 44122
United States

Maximum Input Amps Details	Agency de-rated to 24A continuous
PDU Plug Type	IEC-309 30A BLUE (3P+E)
Input Phase	3-Phase
Input Cord Length (ft.)	10
Input Cord Length (m)	3.05
OUTPUT	
Output Capacity Details	10kW (240V), 9.6kW (230V), 9.1kW (220V), 8.6kW (208V), 8.3kW (200V) total capacity; 13.9A max per breakered outlet bank; 12A max per C13 outlet
Frequency Compatibility	50 / 60 Hz
Output Receptacles	(42) C13; (6) C19
Output Nominal Voltage	200; 208; 240
Overload Protection	3 20A circuit breakers, one per output load bank
USER INTERFACE, ALERTS & CONTROLS	
Reported Load Segments	Reports input current per phase (L1, L2, L3) and output current for each breakered load bank (13.9A balanced max per banks B1-B3); Outlets are color-coded and labeled for phase and load bank identification; L1-L2 feeds black outlets (B1); L2-L3 feeds dark-gray outlets (B2); L3-L1 feeds light-gray outlets (B3)
Front Panel LCD Display	Large digital display reports Amperage, Kilowatts, Voltage, Unbalance percentage, Temperature* and Humidity* information (*requires ENIVIROSENSE option); Small digital display provides detail on the measurement the large display is reporting: Input-phase (L#), Load bank (B#), Sensor (S#), Load unbalance (UB), Output power (OP)
Front Panel LEDs	Set of 6 LEDs identify the value displayed on the large digital display: Amperage (A), Kilowatts (kW), Voltage (V), Unbalance percentage (%UB), Temperature (T), Humidity (%RH); One additional LED for each output load bank (B1-B3) offers information power availability: GREEN (<80% load), YELLOW (>80% load), RED (Power OFF), RED FLASHING (Power OFF/breaker trip)
Switches	Set of UP/DOWN arrow buttons scroll through available Input, Bank, Power, Load balance and Sensor options; Additional MODE button advances the LEDs to view the next measurement
Current Measurement Accuracy (Amps)	+/-1%
Voltage Measurement Accuracy (Volts)	+/-1%
Power Measurement Accuracy (Watts)	+/-1%
SURGE / NOISE SUPPRESSION	
Automatic Shut-Off	No
PHYSICAL	
Material of Construction	Metal
Form Factors Supported	Vertical rackmount installation supported with included mounting brackets; supports tooless mounting in button-mount compatible racks
PDU Form Factor	Vertical (0U)
Shipping Dimensions (hwd / in.)	6.50 x 9.60 x 75.00
Shipping Dimensions (hwd / cm)	16.51 x 24.38 x 190.50

1000 Eaton Boulevard
Cleveland, OH 44122
United States

Shipping Weight (lbs.)	19.80
Shipping Weight (kg)	8.98
Unit Dimensions (hwd / in.)	70.000 x 2.200 x 3.580
Unit Dimensions (hwd / cm)	177.8 x 5.588 x 9.093
Unit Weight (lbs.)	12.58
Unit Weight (kg)	5.71
ENVIRONMENTAL	
Operating Temperature Range	32 to 122F (0C to 50C)
Storage Temperature Range	-30°C to +60°C (-22°F to +140°F)
Relative Humidity	5-95% non condensing
Operating Elevation (ft.)	0-10,000
Operating Elevation (m)	0-3000
COMMUNICATIONS	
PowerAlert Software	SNMPWEBCARD Interface: PowerAlert 12
Communications Cable	RJ45-to-DB9 configuration/console Access cable
Network Monitoring Port	RJ45 Network port, RJ45 Config/Console Access port; 2x USB A ports supports a variety of Envirosense2 environmental and control modules. See Accessories>Management Hardware section for more information about these modules. USB B port (Configuration & Console Access)
Network Compatibility	10 Mbps; 100 Mbps (Fast Ethernet)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty