

10kW 3-Phase Monitored PDU, 200/208/240V Outlets (42 C13 & 6 C19), NEMA L15-30P, 3 ft. Cord, 0U Vertical, TAA

MODEL NUMBER: PDU3VN3L1530











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 PDU3VN3L1530 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 PDU3VN3L1530 mounts vertically in 0U of rack space using the pre-installed buttons or included hardware. The NEMA L15-30P input plug with three-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

- PDU3VN3L1530 10kW 200/208/240V 3-Phase Monitored PDU, 3 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



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

- NEMA L15-30P input plug with 3 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	037332195678	
PDU Type	Monitored	
INPUT		
Maximum Input Amps	24	
Maximum Input Amps Details	Agency de-rated to 24A continuous	



PDU Plug Type NEMA L15-30P		
Input Cord Details Cord length (t) 3 Input Cord Length (t) 3 Input Cord Length (t) 3 Input Cord Length (t) 0.91 OUTPUT OUTPUT Output Capacity Details 108W (240V), 9.8kW (230V), 9.1kW (220V), 8.8kW (208V), 8.8kW (200V) total capacity; 13.9A max per breakered outlet banks, 12A max per C13 outlet Frequency Compatibility 50 / 60 Hz Output Receptacles (42) C13; (6) C19 C12 C14; (6)	PDU Plug Type	NEMA L15-30P
Input Cord Length (ft.) 3 Input Cord Length (m) 0.91 OUTPUT	Input Phase	3-Phase
Input Cord Length (m) 0.91	Input Cord Details	Cord length specifications are nominal and subject to manufacturing variance
OUTPUT Output Capacity Details	Input Cord Length (ft.)	3
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 bank: 12A max per banks 12A bank per	Input Cord Length (m)	0.91
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 bank: 12A max per banks 12A bank per	CUITBUT	
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 etiglal display report Amperage, Kilowists, Voltage, Lubalsance percentage, Temperature' and Humidity' information' (requires ENV)/ROSENSE option); Small digital display provides detail on the measurement the large display is reporting: Input-phase (L8), Load bank (B8), Sensor (S8), Load unbalance (L8), Output power (OP) Front Panel LEDs Set of ELEDs identify the value displayed on the large digital display; Amperage (NA), Kilowatts (RVIN), Voltage (V), Unbalance percentage (%UB), Temperature (T), Humidity (%RH); One additional LED for each output load bank (B1-B3) offers information power availability (FAREN (<60% load), YELLOW (<60% load), YELOW (<60% load), Y	001701	
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 Reports input current per phase (1.1, L2, L3) and output current for each breakered load bank (13.9A balanced max per banks 181-83). Outlets are color-coded and labeled for phase and load bank identification; L1-L2 feeds black outlets (81); L2-L3 leeds dark-gray outlets (82); L3-L1 feeds light-gray outlets (82); L3-L1 feeds light-gray outlets (81); L2-L3 leeds light-gray outlets (82); L3-L1 feeds light-gray outlets (81); L2-L3 feeds black outlets (81); L2-L3 feeds of ank gray outlets (82); L3-L1 feeds light-gray outlets (81); L3-L1 feeds light-gray outlets (81)	Output Capacity Details	
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 B1-83); Outlets are color-coded and labeled for phase and load bank (13.9A balanced max per banks B1-83); Outlets (82), L3-L1 feeds light-gray outlets (82), Sensor (84), Load bank (84), Sensor (84), Sensor (84), Load bank (84), Sensor (84), Sensor (84), 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), Urbalance percentage (%UB), Temperature (7), Humidity (%H1), One additional LED for each output load bank (13.9A bank (84)), Sensor (84), Lettory (84), Sensor (84), S	Frequency Compatibility	50 / 60 Hz
Superior of Protection 3 20A circuit breakers, one per output load bank	Output Receptacles	(42) C13; (6) C19
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 ENIVIROSENS B10) pin); 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 display: Amperage (A), Kilowatts, KW), Voltage (V), Unbalance percentage (W3B), 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) fureaker 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 (v)-1% Voltage Measurement Accuracy (v)-1% SURGE / NOISE SUPPRESSION Automatic Shut-Off No 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.) 6.30 x 9.70 x 75.70	Output Nominal Voltage	200; 208; 240
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 (and the control of the color outlets (B1); L2-L3, L1 feeds bink-gray outlets (B2); L3-L1 feeds bink-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 digital display is reporting; Input-phase (H), Load bank (B4), Sensor (S8), 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+S8) 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 (Vatts)* **V-1%* **Surge / Noise suppression* Automatic Shut-Off No Metal **Vertical rackmount installation supported with included mounting brackets; supports tooless mounting in button-mount compatible racks **PDU Form Factor** Vertical (OU) Shipping Dimensions (Nwd / in.) 6.30 x 9.70 x 75.70	Overload Protection	3 20A circuit breakers, one per output load bank
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 (and the control of the color outlets (B1); L2-L3, L1 feeds bink-gray outlets (B2); L3-L1 feeds bink-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 digital display is reporting; Input-phase (H), Load bank (B4), Sensor (S8), 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+S8) 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 (Vatts)* **V-1%* **Surge / Noise suppression* Automatic Shut-Off No Metal **Vertical rackmount installation supported with included mounting brackets; supports tooless mounting in button-mount compatible racks **PDU Form Factor** Vertical (OU) Shipping Dimensions (Nwd / in.) 6.30 x 9.70 x 75.70	LICED INTEDEACE ALEDTS & CON	ITPOLS
peir banks B1-B3); Outlets are color-coded and labeled for phase and load bank identification; L1-L2 feeds black outlets (B1): L2-L1 feeds den't-pary outlets (B2) Front Panel LCD Display Large digital display reports Amperage, Kilowatts, Voltage, Unbalance percentage, Temperature" and Humidity" information (*requires EINVIROSENSE option); Small digital display provides detail on the measurement the large display is reporting; Input-phase (PDP) Front Panel LEDs Set of 6 LEDs identify the value displayed on the large digital display. Amperage (A), Kilowatts (kW), Voltage (V), Unbalance percentage (*WLB), 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). Froreaker 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 (Valta) */-1% SURGE / NOISE SUPPRESSION Automatic Shut-Off No 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.) 6.30 x 9.70 x 75.70	,	T
information ("requires ENIVIROSENSE option); Small digital display provides detail on the measurement the large display is reporting: Input-phase (##), Load bank (##), Sensor (##). Cade 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 (##). Sensor (##). Can be additional LED for each output load bank (##). Sensor (##). Sens	Reported Load Segments	per banks B1-B3): Outlets are color-coded and labeled for phase and load bank identification: L1-L2 feeds black
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) RED FLASHING (Power OFF),	Front Panel LCD Display	information (*requires ENIVIROSENSE option): Small digital display provides detail on the measurement the large
Current Measurement Accuracy (Amps) Voltage Measurement Accuracy (Volts) 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 Shipping Dimensions (hwd / in.) 6.30 x 9.70 x 75.70	Front Panel LEDs	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
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.) 6.30 x 9.70 x 75.70	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
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.) 6.30 x 9.70 x 75.70		+/-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.) 6.30 x 9.70 x 75.70		+/-1%
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.) 6.30 x 9.70 x 75.70		+/-1%
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.) 6.30 x 9.70 x 75.70	SURGE / NOISE SUPPRESSION	
Material of Construction 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.) 6.30 x 9.70 x 75.70	Automatic Shut-Off	No
Material of Construction 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.) 6.30 x 9.70 x 75.70		
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.) 6.30 x 9.70 x 75.70	PHYSICAL	
mount compatible racks PDU Form Factor Vertical (0U) Shipping Dimensions (hwd / in.) 6.30 x 9.70 x 75.70	Material of Construction	Metal
Shipping Dimensions (hwd / in.) 6.30 x 9.70 x 75.70	Form Factors Supported	
	PDU Form Factor	Vertical (0U)
Shipping Dimensions (hwd / cm) 16.00 x 24.64 x 192.28	Shipping Dimensions (hwd / in.)	6.30 x 9.70 x 75.70
	Shipping Dimensions (hwd / cm)	16.00 x 24.64 x 192.28



Shipping Weight (lbs.)	23.00	
Shipping Weight (kg)	10.43	
Unit Dimensions (hwd / in.)	70.000 x 2.170 x 2.860	
Unit Dimensions (hwd / cm)	177.8 x 5.512 x 7.264	
Unit Weight (lbs.)	14.93	
Unit Weight (kg)	6.77	
ENVIRONMENTAL		
Operating Temperature Range	32 to 122F (0 to 50C)	
Storage Temperature Range	5 to 140F (-15 to 60C)	
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 Compatibility	10 Mbps; 100 Mbps (Fast Ethernet)	
WARRANTY & SUPPORT		
Product Warranty Period (Worldwide)	2-year limited warranty	



© 2022 Eaton. All Rights Reserved. Eaton is a registered trademark. All other trademarks are the property of their respective owners.