

## 3.8kW 200–240V Single-Phase ATS/Monitored PDU - 8 C13 and 2 C19 Outlets, Dual C20 Inlets, 12 ft. Cords, Network Card, 1U, TAA

MODEL NUMBER: PDUMNH20HVAT1



ATS PDU allows real-time current metering and remote power monitoring to help prevent circuit overloads and ensure proper load balance.

### Features

#### Single-Phase 20A ATS rack PDU (rPDU) Distributes and Monitors Network-Grade Power in Real Time

This monitored PDU provides real-time remote monitoring of voltage, frequency and load levels via its built-in network interface. Ideal for network IT applications, small computer rooms and other equipment rack applications, the PDUMNH20HVAT1 features eight C13 and two C19 200–240V outlets for connecting equipment. Dual 12-foot (3.7-meter) power cords with C20 inputs connect to separate primary and secondary mains circuits, backup generators, UPS systems or utility power grids, including out-of-phase sources.

#### Switches from Primary to Secondary Power Source in Milliseconds

Automatic transfer switching (ATS) allows the PDU to switch to the secondary source within 2–7 milliseconds, should the primary source fail or become unstable, to ensure your connected equipment operates without interruption. An on-board ATS processor constantly evaluates the power quality of both input sources. It prevents switching if the secondary source is unavailable or of lower quality than the primary source.

#### Pre-Installed WEBCARDLX Network Interface Offers 24/7 Remote Access for Monitoring and Control

The HTML5-based WEBCARDLX network interface enables full remote access for PDU status monitoring and email notifications via secure web browser, SNMP, telnet or SSH. The latest version of PowerAlert Device Manager (PADM20) provides enhanced remote management capabilities, including customizable dashboard graphs to fit user preferences. The PADM20 upgrade and PowerAlert Element Manager (PAEM) form a powerful tool for expanding maintenance functions in large installations, including firmware update checks and backup and restoration of device configurations.

#### Digital Load Meter Helps Prevent Potentially Expensive Overloads

A digital ammeter reports the total load for all connected equipment. Monitoring amperage helps ensure load levels remain well below maximum capacity with no danger of overload that could lead to costly downtime or damaged equipment. Maintaining proper load levels, even while adding new equipment, can keep your TCO (total cost of ownership) low.

#### Mounts into 1U of Rack Space

### Highlights

- 8 C13 and 2 C19 200-240V outlets distribute AC power to connected equipment; Compatible with Eaton Tripp Lite power cords.
- Switches from primary to secondary power source in <7 ms for constant operation
- Digital ammeter for on-site real-time load monitoring helps prevent power overloads
- Includes WEBCARDLX with latest version of PADM20 for enhanced remote management
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

### Applications

- Deliver network-grade power to rack equipment in a small-to-mid-sized data center, computer room or high-density network closet in a government, commercial or industrial facility
- Monitor power load in real time from all connected computers, switches, servers and other networking equipment
- Provide redundant power to network devices with non-redundant power supplies

### Package Includes

- PDUMNH20HVAT1 3.8kW Single-Phase ATS/Monitored PDU
- (2) Detachable C19 to C20 input cords, 12 ft. (3.7 m)
- Configuration cable
- (10) Plug-lock insert sleeves
- Rack-mounting hardware
- Owner's manual



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Use the included mounting hardware to install the all-metal housing into 1U of space in an EIA-standard 19-inch rack.

#### TAA-Compliant for GSA Schedule Purchases

The PDUMNH20HVAT1 is compliant with the Federal Trade Agreements Act (TAA), which makes it eligible for GSA (General Services Administration) Schedule and other federal procurement contracts.

## Specifications

| OVERVIEW                          |                                                                                                                                                        |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| UPC Code                          | 037332261410                                                                                                                                           |
| PDU Type                          | Auto-Transfer Switch; Local Metered; Monitored                                                                                                         |
| INPUT                             |                                                                                                                                                        |
| Input Phase                       | Single-Phase                                                                                                                                           |
| PDU Input Voltage                 | 200; 208; 220; 230; 240                                                                                                                                |
| Recommended Electrical Service    | 20A 208/240V; 16A 230V                                                                                                                                 |
| Maximum Input Amps                | 20                                                                                                                                                     |
| Maximum Input Amps Details        | Agency de-rated to 16A continuous (North America)                                                                                                      |
| Input Connection Type             | Primary: C20 inlet and Secondary: C20 inlet                                                                                                            |
| PDU Plug Type                     | (2) IEC-320 C20                                                                                                                                        |
| Input Cord Details                | Set of two inputs connect to separate PRIMARY and SECONDARY power sources                                                                              |
| Input Cord Length (ft.)           | 12                                                                                                                                                     |
| Input Cord Length (m)             | 3.66                                                                                                                                                   |
| OUTPUT                            |                                                                                                                                                        |
| Output Capacity Details           | 3.84kW (240V), 3.68kW (230V), 3.52kW (220V), 3.33kW (208V), 3.2kW (200V) / 16A total capacity; 16A max per C19 outlet; 12A (10A CE) max per C13 outlet |
| Frequency Compatibility           | 50 / 60 Hz                                                                                                                                             |
| Output Receptacle Details         | Compatible with Eaton Tripp Lite Power Cords                                                                                                           |
| Output Receptacles                | (8) C13; (2) C19                                                                                                                                       |
| Output Nominal Voltage            | 200V; 208V; 220V; 230V; 240V                                                                                                                           |
| USER INTERFACE, ALERTS & CONTROLS |                                                                                                                                                        |
| Front Panel LCD Display           | Digital display reports total PDU output current in amps                                                                                               |
| Switches                          | Toggle switch near digital display enables the setting of "HI" for 220, 230 or 240V nominal applications or "LO" for 200 or 208V applications          |
| LED Indicators                    | 2 additional LEDs to indicate input power status for primary and secondary inputs                                                                      |
| SURGE / NOISE SUPPRESSION         |                                                                                                                                                        |
| Automatic Shut-Off                | No                                                                                                                                                     |



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| PHYSICAL                             |                                                                                                                                           |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Material of Construction             | Metal                                                                                                                                     |
| Rack Height                          | 1U                                                                                                                                        |
| Form Factors Supported               | 1U rackmount                                                                                                                              |
| Minimum Required Rack Depth (cm)     | 46.48                                                                                                                                     |
| Minimum Required Rack Depth (inches) | 18.3                                                                                                                                      |
| PDU Form Factor                      | Horizontal (1U)                                                                                                                           |
| Shipping Dimensions (hwd / in.)      | 5.40 x 20.80 x 23.40                                                                                                                      |
| Shipping Weight (kg)                 | 7.71                                                                                                                                      |
| Unit Dimensions (hwd / in.)          | 1.720 x 17.330 x 14.770                                                                                                                   |
| Unit Dimensions (hwd / cm)           | 4,4 x 43,9 x 37,6                                                                                                                         |
| Unit Weight (lbs.)                   | 10.30                                                                                                                                     |
| Unit Weight (kg)                     | 4.67                                                                                                                                      |
| ENVIRONMENTAL                        |                                                                                                                                           |
| Operating Temperature Range          | 32° to 104°F (0° to 40°C)                                                                                                                 |
| Storage Temperature Range            | -22° to 122°F (-30° to 50°C)                                                                                                              |
| Relative Humidity                    | 5% to 95% non-condensing                                                                                                                  |
| Operating Elevation                  | 0-10000 ft. (0-3000 m)                                                                                                                    |
| COMMUNICATIONS                       |                                                                                                                                           |
| PowerAlert Software                  | LX Platform Interface: PowerAlert Device Manager                                                                                          |
| Communications Cable                 | Micro-USB- to-USB A configuration/console Access cable                                                                                    |
| SNMP Compatibility                   | Pre-installed LX platform interface provides remote monitoring via Java-free HTML5 web interface, telnet, SSH and SNMP management systems |
| FEATURES & SPECIFICATIONS            |                                                                                                                                           |
| High Availability PDU Features       | Auto-Transfer Switching                                                                                                                   |
| STANDARDS & COMPLIANCE               |                                                                                                                                           |
| Product Certifications               | RETIE (Colombia); NOM (Mexico); UL 62368-1                                                                                                |
| Product Compliance                   | RoHS; CE (Europe); EAC (Belarus, Kazakhstan, Russia); FCC Part 15 Class A (USA); UKCA; Trade Agreements Act (TAA)                         |
| WARRANTY & SUPPORT                   |                                                                                                                                           |
| Product Warranty Period (Worldwide)  | 2-year limited warranty                                                                                                                   |



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