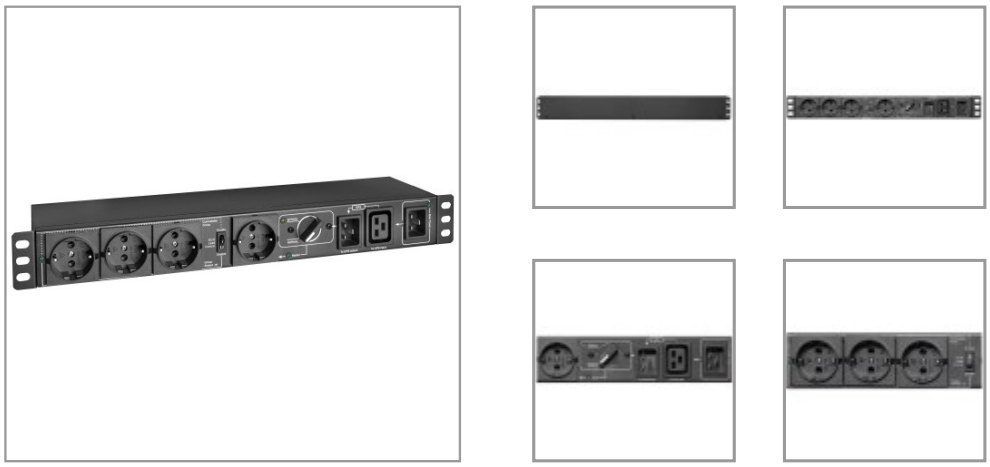
220-240V 16A Single-Phase Hot-Swap PDU with Manual Bypass - 4 Schuko Outlets, C20 & Schuko Inputs, Rack/Wall

MODEL NUMBER: **PDUBHV20D**



Bypass PDU maintains continuous power to connected equipment during scheduled UPS maintenance or replacement.

Features

Bypass PDU Recommended for Maintaining Continuous Power During UPS Maintenance
Keeping mission-critical data center equipment operating at its optimal level often means scheduled maintenance. But what if you are unable to afford the costly downtime involved in powering down for regular upkeep? This 220-240V 16A single-phase hot-swap PDU works in conjunction with your UPS system to keep everything running 24/7/365. It allows you to manually transfer connected equipment to utility power via the PDU's bypass switch, permitting maintenance or equipment replacement with no interruption of performance.

Features Dual Inputs and a Manual Transfer Switch for Uninterrupted Operation
The PDUBHV20D features two C20 inlets that connect to separate UPS and utility input power sources with user-supplied power cables or the included cables. The manual transfer switch allows PDU output power to flow from either input. Flip the switch to Bypass to replace the UPS and flip back to Normal once the maintenance or UPS replacement is complete. Equipment connected to the four Schuko outlets will continue to operate without interruption.

Optional ECO Switching Feature Enables Cost-Cutting Power Savings
By enabling the ECO power saving feature, you can power off a single bank of three controlled Schuko outlets all at once when the device connected to the master Schuko outlet is powered off or goes into a low-power consumption mode.

Mounts into 2U of Rack Space or on a Wall
Use the included mounting hardware to install the PDUBHV20D's all-metal housing inside a 19-inch rack. Because the rack PDU (rPDU) 56.1-millimeter height is larger than 1U in an EIA-standard rack, you will need to mount the unit into 2U of space. You may also use the mounting brackets to secure the PDU to a wall.

Highlights

- Ideal for supporting critical IT equipment that require 24/7/365 uptime
- Transfers connected components to utility power with no downtime during UPS maintenance
- Dual C20 inlets support connection to separate UPS and utility input power sources
- ECO mode saves power by shutting down controlled outlet bank in certain conditions
- Mounts into 2U of rack space or onto wall using included mounting hardware

Applications

- Set the bypass switch to UPS during normal operation, so connected equipment can receive fulltime conditioned power
- Set the bypass switch to Utility to bypass the UPS and provide connected equipment with unfiltered power during UPS maintenance or replacement
- Enable ECO Switching to save power by shutting down one load bank when the device connected to the master outlet is powered off or in low-consumption mode

Package Includes

- PDUBHV20D 200-240V 16A Single-Phase Hot-Swap PDU
- (2) C19-to-C20 power cables
- C19-to-Schuko power cable
- Mounting hardware
- Owner's manual

Specifications

OVERVIEW

UPC Code	037332253125
PDU Type	Hot-Swap
INPUT	
Input Phase	Single-Phase
PDU Input Voltage	220; 230; 240
Recommended Electrical Service	Works with 220-240V UPS systems with C20/Schuko compatible input cabling
Maximum Input Amps	16
Maximum Input Amps Details	Agency de-rated to 16A continuous
PDU Plug Type	(2) IEC-320 C20; (1) Schuko 16A CEE 7/4
Input Cord Details	Set of 3 power cables included (One 1.8m Schuko CEE 7/4 and Two 1.4m C19-to-C20); Supports user supplied alternate input cabling
Input Cord Length (ft.)	6
Input Cord Length (m)	1.83
OUTPUT	
Output Capacity Details	3.5kW (220V), 3.7kW (230V), 3.8kW (240V) / Total capacity 16A / 16A Max per outlet
Frequency Compatibility	50 / 60 Hz
Output Receptacle Details	Set of 4 output receptacles are arranged in two groups to support the optional ECO Power-Saving feature; One MASTER-outlet provides optional current-sense capability that when enabled, automatically powers off the bank of 3 CONTROLLABLE GROUP-outlets when the device connected to the MASTER-outlet is powered off or enters a low power sleep mode consuming 20W or less (±5W)
Output Receptacles	(4) CEE7/7
Output Nominal Voltage	220-240V
USER INTERFACE, ALERTS & CONTROLS	
Front Panel LEDs	Front panel LEDs report UTILITY Input Power ON (green), BYPASS-MODE Switch Setting (yellow), MASTER Outlet Power ON (green), CONTROLLABLE GROUP Outlets Power ON (green)
Switches	2 position Manual Transfer switch offers Break-Before-Make transfer between UPS and Utility operating modes with less than 8 milliseconds (typical) transfer time; Additional switch offers ENABLE/DISABLE control of the ECO Power-Saving feature
SURGE / NOISE SUPPRESSION	
Automatic Shut-Off	No
PHYSICAL	
Material of Construction	Metal
Form Factors Supported	Includes installation accessories for wall mount and 2U horizontal rackmount installation in 2 or 4 post equipment racks
PDU Form Factor	Horizontal (2U)
Shipping Dimensions (hwd / in.)	5.50 x 8.10 x 21.40
Shipping Weight (kg)	3.27

Unit Dimensions (hwd / in.)	2.210 x 17.240 x 3.940
Unit Dimensions (hwd / cm)	5.61 x 43.79 x 10.01
Unit Weight (lbs.)	5.2
Unit Weight (kg)	2.36
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)
FEATURES & SPECIFICATIONS	
High Availability PDU Features	Manual Hot-Swap Bypass
STANDARDS & COMPLIANCE	
Product Certifications	IEC 62368-1
Product Compliance	RoHS; EAC (Belarus, Kazakhstan, Russia); UKCA
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty

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