230V Network-Grade PDUs (Power Distribution Units)

Reliable rackmount power distribution for high-density, high-availability IT environments

▶ **Load Meters, Network Interface and Remote Outlet Control Available**

▶ **Models Available with Single-Phase Input or 3-Phase Input**

▶ **Up to 45 Outlets**

▶ **1U, 2U or 0U (Vertical) Rackmount Installation**

RELIABLE POWER DISTRIBUTION

Tripp Lite network-grade PDUs distribute power from a UPS system, generator or wall outlet to multiple devices, including critical servers, storage and network/telecom equipment. There are four distinct PDU types: **Basic**, **Metered**, **Monitored** and **Switched**. Refer to the chart below to understand the features and benefits associated with each type.
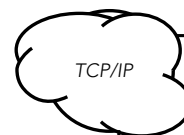
Tripp Lite PDU TYPES		Reliable Power Distribution	Local Current Metering	Remote Current Monitoring	Remote Outlet Power Control
SWITCHED PDUs Models Available:		●	●	●	●
10/16/32A Single-Phase	16A 3-Phase				
MONITORED PDUs Models Available:		●	●	●	
16/32A Single-Phase	16A 3-Phase				
METERED PDUs Models Available:		●	●		
16/32A Single-Phase	16A 3-Phase				
BASIC PDUs Models Available: 16A Single-Phase		●			

LOAD METER

Metered, Monitored and Switched PDUs display the connected equipment load (current draw) in amps. Monitored and Switched 3-Phase PDUs include an advanced multimode load meter that can display the PDU's IP address, the load for each bank/phase and the load for each outlet.
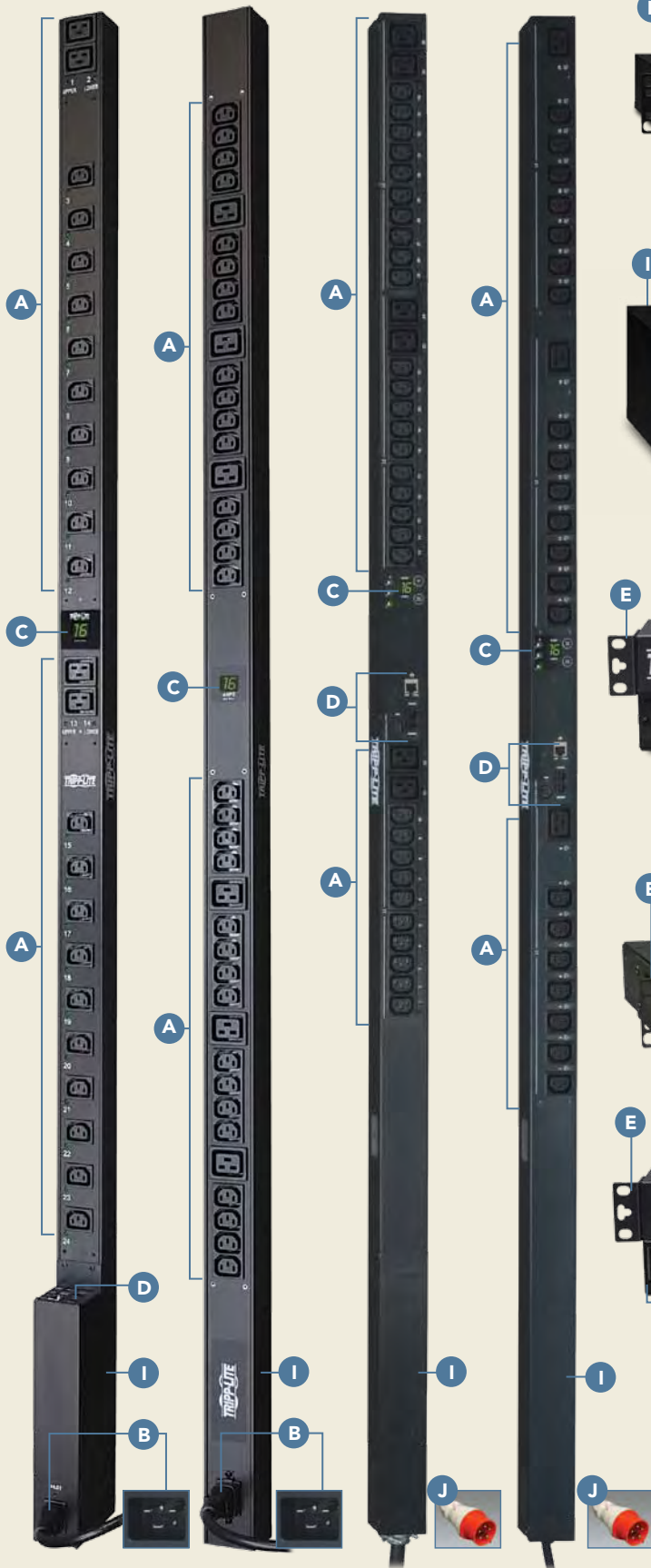

Load Meter

REMOTE OUTLET CONTROL

Switched PDUs allow remote control of individual outlets for remote rebooting, load shedding and more. Individual outlet control enables cycling of unresponsive devices from any distance, reducing the need for expensive and time-consuming trips to remote sites.

PowerAlert's Remote Outlet Control Interface

NETWORK INTERFACE

Monitored and Switched PDUs include a network interface (RJ45 Ethernet) that enables remote monitoring and remote condition reporting via SNMP, Web, SSH or telnet. This interface allows you to prevent downtime by enabling automatic load threshold notification, to monitor ambient temperature and humidity via the optional ENVIROSENSE accessory and to centralize your power management with Tripp Lite's free PowerAlert Network Management System.

Monitored and/or Switched PDUs

TCP/IP

Remote Workstation with PowerAlert Network Management System (See back page for additional information about PowerAlert.)
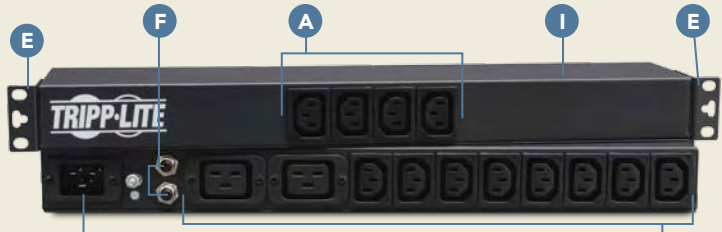
PDUMH15HVNET
Similar Models: **PDUMH20HVNET** (16A Version),
PDUMNH20HV (16A Version without Remote
Individual Outlet Control)

Also includes: **H**

PDUMNH32HV
Similar Models: **PDUMH32HV** (Without Network Interface),
PDUMH32HVNET (With Remote Individual Outlet Control)

Also includes: **E** **H**

PDU12IEC (front and back)
Similar Models: **PDUH20DV** (16A Version with Detachable Cord),
PDUNV (With Fixed Input Cord Terminating with C20 Inlet and Adapters Terminating with
C14, 5-15P, 5-20P, L5-20P and L6-20P)

PDUMH20HV

PDUMH20HVATNET (front and back)
Similar Model: **PDUMH20HVAT** (Without Network Interface)

Also includes: **H**

PLUG AND OUTLET IDENTIFICATION

PLUG			
C14	C20	IEC-309 Blue 32A (2P+E)	IEC-309 Red 16A (3P+N+E)

OUTLET			
C13	C19	IEC-309 Blue 32A (2P+E)	IEC-309 Red 16A (3P+N+E)

PDUMV20HVNET
Similar Models:
PDUMV32HVNET
(32A Version),
PDUMNV20HV
(Without Remote Individual
Outlet Control)

Also includes:

E **G** **H**

PDUMV20HV

Also includes:

E **G** **H**

PDU3XVN10G16
Similar Model:
PDU3XVN3G16
(With 1 m Cord)

Also includes:

E **G** **H**

PDU3XVSR10G16
Similar Model:
PDU3XVSR3G16
(With 1 m Cord)

Also includes:

E **G** **H**

<table>
<tr><td>A</td><td>**AC Outlets**</td></tr>
</table>

A AC Outlets

B AC Inlet (C14 or C20)

Connects to a user-supplied input power cord with a region-specific plug.

C Load Meter

Displays the connected equipment load (current draw) in amps. Monitored and Switched 3-Phase PDUs include an advanced multimode load meter that displays the PDU's IP address, the load for each bank/phase and the load for each individual outlet.

D Network Interface

Enables PDU management over Ethernet LAN or WAN via SNMP, a Web browser, SSH or telnet. Also supports remote monitoring of temperature, humidity and dry contacts via ENVIROSENSE accessory, sold separately.

E Removable Mounting Brackets

Support rackmount installation and surface mounting.

F Circuit Breakers

Switched Outlet

Load Meter

Network Interface

ENVIROSENSE

G Toolless Mounting Buttons

Support toolless 0U (vertical) installation in compatible racks. Detachable 90° rotation brackets allow PDU outlets to face the rear of the rack for improved access and airflow.

Toolless Mounting Button

H Removable Cord Retention Brackets

Secure power cords, reducing the risk of disconnection.

Cord Retention Bracket

I Metal Housing

Maximizes durability and safety.

J Splash-Proof Plug

Splash-proof plug with IP44 protection rating connects to a compatible outlet.

Splash-Proof Plugs

K Automatic Transfer Switch (ATS)

The PDU includes primary and secondary AC inputs, which allows the PDU to automatically switch to the secondary input if the primary input deviates from the designated safe voltage/frequency range. ATS PDUs can provide power redundancy to single-cord devices or make any on-line UPS system hot-swappable. *Note: If the primary input is plugged into a UPS, it must be an on-line UPS.*

SPECIFICATIONS

MODEL	NOMINAL VOLTAGE (50/60 HZ)	MAXIMUM INPUT CURRENT	METERS/ OUTPUT BANKS	AC INPUT CONNECTOR	OUTLETS (QUANTITY & TYPE)	RACK SPACE
3-PHASE SWITCHED PDUs (3-Phase Input, Single-Phase Output, Network-Grade Power Distribution, Load Meters, Network Interface and Remote Individual Outlet Control)						
PDU3XVSR10G16	Input: 3-Phase 400V Output: Single-Phase 230V	16A	1/3	IEC-309 Red 16A (3P+N+E)[1] (3 m cord)	24 (21 C13+ 3 C19)	0U (178 cm long)[2, 3]
PDU3XVSR3G16	Input: 3-Phase 400V Output: Single-Phase 230V	16A	1/3	IEC-309 Red 16A (3P+N+E)[1] (1 m cord)	24 (21 C13+ 3 C19)	0U (178 cm long)[2, 3]
3-PHASE MONITORED PDUs (3-Phase Input, Single-Phase Output, Network-Grade Power Distribution, Load Meters and Network Interface)						
PDU3XVN10G16	Input: 3-Phase 400V Output: Single-Phase 230V	16A	1/3	IEC-309 Red 16A (3P+N+E)[1] (3 m cord)	36 (30 C13 + 6 C19)	0U (178 cm long)[2, 3]
PDU3XVN3G16	Input: 3-Phase 400V Output: Single-Phase 230V	16A	1/3	IEC-309 Red 16A (3P+N+E)[1] (1 m cord)	36 (30 C13 + 6 C19)	0U (178 cm long)[2, 3]
3-PHASE METERED PDUs (3-Phase Input, Single-Phase Output, Network-Grade Power Distribution and Load Meters)						
PDU3XMV6G20	Input: 3-Phase 400V Output: Single-Phase 230V	16A	3/3	IEC-309 Red 16A (3P+N+E)[1] (2 m cord)	45 (36 C13 + 9 C19)	0U (178 cm long)[2,3]
SINGLE-PHASE SWITCHED PDUs (Network-Grade Power Distribution, Load Meters, Network Interface and Remote Outlet Control)						
PDUMH15HVNET	220/230/240V	10A	1/1	C14 inlet[4,5]	8 (C13)	1U
PDUMH20HVNET	220/230/240V	16A	1/1	C20 inlet[4,6]	8 (C13)	1U
PDUMH20HVATNET	220/230/240V	16A	1/1	2 x C20 inlet[4,7]	10 (8 C13 + 2 C19)	1U
PDUMH32HVNET	220/230/240V	32A	1/2	IEC-309 Blue 32A (2P+E)[1]	16 (C13)	2U
PDUMV20HVNET	220/230/240V	16A	1/1	C20 inlet[4]	24 (20 C13 + 4 C19)	0U (163 cm long)[2,3]
PDUMV20HVNET2	220/230/240V	16A	1/1	C20 inlet[4]	8 (7 C13 + 1 C19)	0U (99 cm long)[2,3]
PDUMV32HVNET	220/230/240V	32A	1/2	IEC-309 Blue 32A (2P+E)[1]	24 (20 C13 + 4 C19)	0U (178 cm long)[2,3]
SINGLE-PHASE MONITORED PDUs (Network-Grade Power Distribution, Load Meters and Network Interface)						
PDUMNH20HV	220/230/240V	16A	1/1	C20 inlet[4]	8 (C13)	1U
PDUMNH32HV	220/230/240V	32A	2/2	IEC-309 Blue 32A (2P+E)[1]	16 (12 C13 + 4 C19)	2U
PDUMNV20HV	220/230/240V	16A	1/1	C20 inlet[4,2]	24 (20 C13 + 4 C19)	0U (163 cm long)[2,3]
PDUMNV20HV2	220/230/240V	16A	1/1	C20 inlet[4]	20 (18 C13 + 2 C19)	0U (90 cm long)[2,3]
SINGLE-PHASE METERED PDUs (Network-Grade Power Distribution and Load Meters)						
PDUMH20HV	220/230/240V	16A	1/1	C20 inlet[4,6]	10 (8 C13 + 2 C19)	1U
PDUMH20HVAT	220/230/240V	16A	1/1	2 x C20 inlet[4,7]	10 (8 C13 + 2 C19)	1U
PDUMH32HV	220/230/240V	32A	2/2	IEC-309 Blue 32A (2P+E)[1]	18 (16 C13 + 2 C19)	2U
PDUMV20HV	220/230/240V	16A	1/1	C20 inlet[4]	38 (32 C13 + 6 C19)	0U (162 cm long)[2,3]
SINGLE-PHASE BASIC PDUs (Network-Grade Power Distribution)						
PDU12IEC	220/230/240V	16A	0/1	C20 inlet[4]	14 (12 C13 + 2 C19)	1U or 0U (44 cm long)[2]
PDUNV	220/230/240V	16A	0/1	C20 inlet[4,8]	14 (12 C13 + 2 C19)	1U or 0U (44 cm long)[2]
PDUH20DV	220/230/240V	16A	0/1	C20 inlet[4,9]	14 (12 C13 + 2 C19)	1U or 0U (44 cm long)[2]
HOT-SWAP PDUs (Dual Inputs and Manual Transfer Switch Add Hot-Swap Capability to Compatible UPS Systems up to 3 kVA)						
PDUBHV10	220/230/240V	10A	0/1	2 x C14 inlet[4,10]	8 (C13)[12]	2U[14]
PDUBHV20	220/230/240V	16A	0/1	2 x C20 inlet[4,11]	8 (6 C13 + 2 C19)[13]	2U[14]

Certifications vary by model. **(1)** Splash-proof plug (IP44 protection rating). **(2)** 0U represents vertical rack installation. **(3)** Includes toolless mounting buttons. **(4)** Connect each inlet to a user-supplied input power cord with a region-specific plug if required. **(5)** Includes detachable 198 cm input cord with C14 plug. **(6)** Includes detachable 259 cm input cord with C20 plug. **(7)** Includes primary and secondary AC inputs. Also includes two 366 cm input cords with C20 plugs. **(8)** Includes 305 cm input cord with C20 plug. **(9)** Includes 366 cm cord with C20 plug. **(10)** Includes two 183 cm input cords (one fixed cord for UPS input and one detachable cord for utility input) with C14 plugs. **(11)** Includes one fixed 183 cm input cord (for UPS input) and one detachable 152 cm input cord (for utility input) with C20 plugs. **(12)** Also has C13 outlet for UPS connection. **(12)** Also has C19 outlet for UPS connection. **(14)** Shallow depth allows the PDU to fit behind select UPS systems without using additional rack space.