Product data sheet

Specifications

APC NetShelter Rack PDU Advanced, Switched Metered Outlet, 3PH, 43.5kW 400V 63A or 34.6kW 415V 60A, 42 Outlets, IEC309

APDU10450SM

Overview

Presentation

APC NetShelter Rack PDU Advanced provide reliable power distribution to IT Equipment within server and/or networking racks. Switched outlets to turn outlets on or off remotely. Outlet and PDU level power metering for power visibility and notification of potential overload. 4-in-1 combination outlets which can be used as either C13, C19, C15, or C21 outlets provide unparreled deployment flexibility. Maximum outlet density with 42 outlets in a 2.2" wide form factor. Outlets on the PDUs are color coded and/or labeled by breaker and input phase on 3 phase models to simplify deployment. Provides an alternating phase design whereby each of the 3 phases are organized into small outlet groups which alternate from top to bottom of the PDU to facilitate better power cord management and promote better load balancing. Power Sharing allows PDUs cascaded together via 2 ethernet ports enable an Network Management Card to continue functioning in the event of an AC power loss. No interruption in Network communication, sensors operation, and alarm traps. Live Swap Network Management Card (NMC) which can be replaced without powering down the PDU or connected devices to minimize downtime in the unlikely event of an NMC power event. Rated and approved to operate up to 60C (140F) at full load ensures reliability and availability even in today's high density deployments. Gigabit ethernet to enhance and standardize network connectivity across all assets in the data center. A second ethernet port (10/100) is available to allow cascading to other PDUs, connect to a 2nd private network, or provide network redundancy. 1% metering accuracy for the peace of mind to use NetShelter Rack PDU Advanced to bill based on power usage. In addition, the higher level of accuracy ensures the most precise measures for capacity planning and threshold alarm monitoring. Two environmental sensor ports allow for optional sensors (sold separately) to be connected. For data center deployments across multiple regions, these PDUs are both UL and CE rated providing one PDU that can be used globally to simplify and standardize deployment.

Lead time — Usually in Stock

Main

Main Input Voltage	3 phase
Product or Component Type	PDU
Main Output Voltage	240 V
Input Connection Type	IEC 60309 60 A 3P+N+PE
Number of rack unit	0U
Cable length	5.91 ft (1.8 m)
Communication port protocol	1000BASE-T 10/100BASE-T

Physical

Color	Black
Height	71.89 in (182.6 cm)
Width	2.20 in (5.6 cm)
Depth	2.95 in (7.5 cm)
Net Weight	28.00 lb(US) (12.7 kg)
Mounting Location	Side

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Mounting preference	No preference
Mounting Mode	Rack-mounted

Input

Line Rated Current	48 A
Acceptable Input Voltage	200…240 V 346…415 V
Input current limits	60 A
Load Capacity	34600 VA
Input Frequency	50/60 Hz

Output

Number of power socket outlets	21 C13/C15/C19/C21 21 C13/C15

Conformance

Standards	UL 62368-1 CSA C22.2 No 62368-1 FCC part 15 subpart B CE EN 62368-1
IP Degree of Protection	IP44

Environmental

Ambient Air Temperature for Operation	23…140 °F (-5…60 °C)
Relative Humidity	5…95 %
Operating altitude	0...10000 ft
Ambient Air Temperature for Storage	-13…149 °F (-25…65 °C)
Storage Relative Humidity	5…95 %
Storage altitude	0…50000 ft (0.00…15240.00 m)

Ordering and shipping details

GTIN	731304439752

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	77.95 in (198 cm)
Package 1 Width	5.20 in (13.2 cm)
Package 1 Length	10.31 in (26.2 cm)
Package 1 Weight	34.61 lb(US) (15.7 kg)

Offer Sustainability

REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes

RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Contractual warranty

Warranty	3 years repair or replace

Recommended replacement(s)