



VERTICAL PDU

SLIM POWER DISTRIBUTION

Operating Manual

ESP-VP-10VR-128







ESP-VP-10VR-168



I. Product Overview

The Vertical PDUs (ESP-VP-10VR-128 & ESP-VP-10VR-168) are designed to be installed vertically or horizontally in a 19-inch/48.26 cm equipment rack. 125V models are available to match global power requirements.

Model	Voltage	Current	Input Plug	Output Receptacles
ESP-VP-10VR-128	125 V	12A	NEMA 5-15P 	8, NEMA 5-15R 
ESP-VP-10VR-168	120 V	16A	NEMA 5-20P 	8, NEMA 5-20R 

II. Installation

The Vertical PDUs are designed to be installed in a 19-inch/48.26 cm equipment rack and require one unit (1-U) of rack space. Use the four screws provided with the product to secure the rack ears to the rack rails. These screws can be tightened by hand and do not require tools.

Connect power to the unit by plugging the attached power cord into a properly wired and grounded supply outlet. The socket-outlet shall be installed near the equipment and shall be easily accessible.

Do not plug the unit into a relocatable power tap.

The maximum current rating of each individual outlet, and of the unit as a whole, must not exceed:

Model	Total Maximum Current	Maximum Current Per Outlet
ESP-VP-10VR-128	12 A	12 A, 8 Outlets
ESP-VP-10VR-168	16 A	16 A, 8 Outlets

Plug the equipment cords into the outlets, as needed.

III. Indicators

Located on the front panel is a green LED Surge Protection Status.

When the LED is illuminated, there is AC power at the AC mains input to the product, and at each of the product's outlets.

When the LED is not illuminated, one of the following conditions is true:

- There is no power at AC mains input, or
- The supply outlet is mis-wired, with the Line and Neutral conductors reversed, or
- The supply voltage is too high (> 150V) and no Surge Protection and no power from PDU, or
- The input circuit breaker has tripped.

IV. The Specifications

Parameter			Specification
Voltage Rating	ESP-VP- 10VR-128		125V, 50/60Hz
	ESP-VP- 10VR-168		125V, 50/60Hz
Load Rating	ESP-VP- 10VR-128		12A Total, 12A per Outlet 5-15R
	ESP-VP- 10VR-168		16A Total, 16A per Outlet 5-20R
Power Control	ESP-VP- 10VR-128		On/Off Switch w/build-in a 15A Circuit Breaker
Power Control	ESP-VP- 10VR-168		On/Off Switch w/build-in a 20A Circuit Breaker
Power	Power Input	Input Connection Type	NEMA 5-15P
		Power Cord	10FT SJT14AWG x 3C
	Power Output	Output Connection Type	NEMA 5-15R
		Number of Outlets	8 (4 regular outlets / 4 right angle outlets)
Power	Power Input	Input Connection Type	NEMA 5-20P
		Power Cord	10FT SJT12AWG x 3C
	Power Output	Output Connection Type	NEMA 5-20R
		Number of Outlets	8 (4 regular outlets / 4 right angle outlets)
Electronical Rating	ESP-VP-10VR-128	Voltage compatibility	125 VAC
		Amper compatibility	12A (Derated from 15A due to UL 60950-1 requirement)
		Frequency compatibility	50/60 Hz
		Watts	1500 W
Electronical Rating	ESP-VP-10VR-168	Voltage compatibility	125 VAC
		Amper compatibility	16A (Derated from 20A due to UL 60950-1 requirement)
		Frequency compatibility	50/60 Hz
		Watts	2000 W

IVa. The Common Specifications for both PDU

Parameter		Specification
Surge/Protection	Single Stage Surge Protection (Fused 3 MOV in parallel)	150 VAC
Indicators		1 x LED Surge Protection Status
Dimensions		17" (L) x 1.25" (D) x 1.62" (H)
Material of Construction		Aluminum
Style		0U Vertical rack mount with the supplied clips 1U (19") Horizontal rack mount w/built-in mounting brackets
Agency Listings	UL/cUL	Certified to IEC 60950-1