

Managed AC PDU Managed DC PDU



Introduction

The ALGpower Managed PDUs are Power Distribution Units that offer a unique combination of features to optimize the way power is distributed, controlled, and monitored.

The Managed DC PDU enables the distribution of power from various sources such as rectifiers, uninterruptible power supplies (UPS), switched-mode power supplies, charge controllers, and batteries. Each of the 8 outputs has a capacity of up to 10 A, totaling a device capacity of 80 A. It operates within a voltage range of 10 - 60 VDC, meeting the demands of high-power devices and providing flexibility for various applications.

The Managed AC PDU serves as an alternating current power distributor, offering 8 outputs, each with a capacity of up to 10 A and a total device limit of 20 A. It operates within a range of 85 to 270 VAC when connected to the electrical grid.

Both PDUs feature robust outputs with protection against short circuits and overloads. Additionally, the Managed PDUs include alarms and indicator LEDs for each output, creating a continuous monitoring system. This ensures proactive measures are taken before potential issues become critical, keeping your infrastructure protected and in continuous operation.

Remote management and monitoring play a crucial role in these products. The models include a secure and user-friendly interface through a web browser, providing remote power monitoring, displaying information on voltage, current, and power for each output, alarms, and control of operations through an Ethernet connection, along with SNMP support for integration into your network management system.

Each output can be remotely turned on and off, allowing realtime adjustments to power distribution as needed. Scheduling activations by time and day of the week is also possible. The customization of output settings is an additional benefit; for instance, it is possible to program undervoltage shutdown, gradually turning off less critical outputs and directing power only where necessary.

Features and Highlights

Managed DC PDU:

- Input Voltage of 10 60 V_{DC};
- > Total Capacity of 80 A divided into 8 outputs of 10 A each;
- > Includes individual fuses for protection on each output.

Managed AC PDU:

- Input Voltage of 85- 270 VAC;
- > Total Capacity of 20 A that can be divided into 8 outputs;
- Each Output Supports up to 10 A.

General Features:

- Ethernet for Remote Monitoring via SNMP-V2 and Control through Web Page;
- Compatible with Monitoring Systems such as Zabbix, Grafana, LibreNMS, The Dude, among others;
- Voltage, Current, and Power Measurement System per Output;
- Remote Activation of Outputs;
- Alert Monitoring via Web Page (Overcurrent, Overvoltage, and Undervoltage);
- > Up to 10 Schedule Activations per Time and Day of the Week;
- > Watchdog for Automatically Restarting up to 10 Devices;
- Undervoltage Shutdown Programming, Gradually Turning off Less Critical Outputs;
- Indicator LEDs for Individual Operation per Output;
- Local Manual Control for Turning Outputs On/Off;
- > Robust Terminal Input Connectors on the Front Panel.

Applications

- Critical Power Loads;
- > Telecommunication Networks;
- Data Centers;
- Renewable Energy Systems;
- > Alarm Systems.

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Alarm (Blinking Green LED) Failure in the Corresponding Output MTBF >120.000 hours Installation Mode 1U Height for 19" Rack Mounts	Operating Humidity	20 to 90% (non-condensing)		
MTBF >120.000 hours Installation Mode 1U Height for 19" Rack Mounts	Alarm (Green LED)	Activated and Energized Outputs		
Installation Mode 1U Height for 19" Rack Mounts	Alarm (Blinking Green LED)	Failure in the Corresponding Output		
	MTBF	>12	>120.000 hours	
Dimensions (H x W x D) / Weight 43 x 440 x 150 mm / 2,1 kg 43 x 440 x 170 mm / 2,2 kg	Installation Mode	1U Height f	1U Height for 19" Rack Mounts	
	Dimensions (H x W x D) / Weight	43 x 440 x 150 mm / 2,1 kg	43 x 440 x 170 mm / 2,2 kg	

