Managed Power Distribution Unit

The newest addition to Dell's power and cooling portfolio, the Managed Power Distribution Unit (PDU), offers Dell customers greater power monitoring at the outlet receptacle level. The Managed PDU is a stand-alone, network-manageable device that provides real-time remote monitoring of connected loads, user-defined alarms which warn of potential circuit overloads, and full control over outlets through remote commands and user interface settings.

The Managed PDU comes in single- or three-phase models and supports needs ranging from 5 kW to 22 kW. Key capabilities of the device include the ability to switch outlet receptacles on and off, either individually or as specified groups, and to sequence the power-on of the outlets. With increased visibility to power consumption levels of individual servers, you can now have additional control and greater decision-making intelligence.

High Density Solution

With 21 C(13) and 3 C(19) sockets, the Managed PDU provides a robust and streamlined solution for medium and high-density IT environments.

Customer-Inspired Design

This design is inspired by customers and fully backed by Dell. Open standards enable compatibility with all standard IT systems.

Remote Monitoring and Management

Access the PDU console using a Web browser from anywhere in the world for increased visibility and control, when and where you need it.

Active Environmental Monitoring

Built-in temperature and humidity sensors provide real-time alerting to non-optimal conditions that need attention for faster response times and reduced down time.

Increased Visibility

With granular and real-time data, you can dramatically improve your capacity planning and manage your energy efficiency more effectively.

Automated Alerts

Email-based alerts report on power and environmental parameters and send automated alerts when set thresholds have been exceeded, including volts, amps, and real power (kW), through the local display and through the Web.

Easy installation with toolless mounting

Robust security:

- Web interface, FTP, SSL, SSH, Telnet, SNMP, Syslog, RADIUS, and RS-232 access
- Four levels of user access accounts

High power distribution:

- 100-120V, 208-240V, and 400V power options
- 16A, 20A, 30A, 32A, 8.6kW, 22kW power input feed options

Comprehensive device, phase, and breaker bank-level metering

Overload protection

Connect by Web, SNMP, or telnet (SSL, SSH, Syslog, serial RS-232, Radius, and SCP)

Network flash upgradeable for easy firmware updates

Individual outlet level control

Power cycling of remotely located equipment

User-defined equipment power-up sequencing

Dell's Managed PDU delivers high-density power distribution combined with on-site or remote monitoring and management, and individual or grouped outlet/device-level control and visibility.

Managed Rack PDU Models for North America (DAO) Region				
Dell Part Number	**K538N**	**G756N**	**K539N**	**H544N**
DAO Tied SKUs	330-9601	330-9603	330-9605	330-9604
DAO Cus. SKUs	330-9622	330-9624	330-9626	330-9469
Input				
Allowable Input Voltage	100–240 VAC	200–240 VAC	220/380–240/415 VAC	208 VAC 3ph
Input Amps (per phase)	20A	30A	30A	30A
Max. Amps, derated (per phase)	16A	24A	24A	24A
Input Plug	IEC320-C20	L6-30P	IEC309, 32A, 5-pin	L15-30P
Output Voltage	100–240 VAC	200–240 VAC	220–240 VAC	208 VAC, 3ph
Output				
C13 Receptacles	21	21	21	21
C20 Receptacles	3	3	3	3
Maximum Total Output Power	1.9kW @ 120V 3.3kW @ 208V	5.0kW @ 208V	17.2kW @ 230V	8.64kW @ 208V
Circuit Breakers	0	(2 each) 20A	(6 each) 16A	(3 each) 20A
Size				
Chassis (HxWxD) (in.)	72 x 2.2 x 2.16	72 x 2.2 x 2.16	72 x 2.2 x 2.16	72 x 2.2 x 2.16
Maximum Chassis Depth at Breaker (in.)	—	3.7	3.7	3.7
Input Cord Length (ft.)	—	10	10	10
Input Cords for K538N (10ft.)				
G825N	Power Cord, 20A, 125V, NEMA L5-20P to IEC320-C19			
J562N	Power Cord, 20A, 250V, NEMA L6-20P to IEC320-C19			
H600N	Power Cord, 20A, 100V, JPN, NEMA L5-20P to IEC320-C19			
K584N	Power Cord, 20A, 200V, JPN, NEMA L6-20P to IEC320-C19			

Managed Rack PDU Models for Europe, Middle East, and Africa (EMEA) and Asia Pacific and Japan (APJ) Regions			
Dell Part Number	**K538N**	**J523N**	**K539N**
EMEA Tied SKUs	450-17123	450-17124	450-17125
EMEA Cus. SKUs	450-17126	450-17127	450-178
APJ Tied SKUs	450-17090[1], 450-17158[2]	450-17091	450-17089
APJ Cus. SKUs	450-16219[1], 450-17014[2]	450-17013	450-17015
Input			
Allowable Input Voltage	220–240 VAC	220–240 VAC	220/380–240/415 VAC
Input Amps (per phase)	16A	32A	32A
Input Plug	IEC320-C20	IEC309, 32A, 3-pin	IEC309, 32A, 5-pin
Output Voltage	220–240 VAC	220–240 VAC	220–240 VAC
Output			
C13 Receptacles	21	21	21
C20 Receptacles	3	3	3
Maximum Total Output Power	3.3kW @ 208V	7.36kW @ 230V	22kW @ 230V
Circuit Breakers	0	(2 each) 16A	(6 each) 16A
Size			
Chassis (HxWxD) (cm)	182.9 x 5.6 x 5.5cm	182.9 x 5.6 x 5.5cm	182.9 x 5.6 x 5.5cm
Max. Chassis Depth at Breaker	N/A	9.4cm	9.4cm
Input Cord Length (m)	Not included	3m	3m
Input Cords For K538N (3m)			
G843N	Power Cord, 16A, 250V, IEC309-16A to IEC320-C19		
H608N	Power Cord, 16A, 250V, AS3112/20A to IEC320-C19		

[1]Asia Pacific
[2]Japan, Taiwan

Managed Rack PDU Options	
Sensors and Accessories	
G853N	Rack PDU Temperature Sensor
H621N	Rack PDU Temperature/Humidity Sensor
J573N	Rack PDU Dry Contact Sensor
K598N	Rack PDU Cord Retention Kit

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