SmartZone™ Gateway-Enabled M Series Rack PDU (for Aggregate Power Monitoring)

PANDUIT®

SPECIFICATION SHEET

specifications

Gateway-Enabled M (Monitored) Series Rack Power Distribution Units (PDUs) safely and efficiently manage and distribute power to installed equipment and are available in a range of electrical and outlet configurations that cover all global regions. Multiple Rack PDUs can be connected to the network via a SmartZone™ Gateway to provide local and remote monitoring of aggregate power, environmental and physical access data from a single IP address, enabling potential issues to be identified and under-utilized power capacity reclaimed. Gateway-Enabled M Series Rack PDUs and SmartZone™ Gateways integrate with comprehensive DCIM software platforms, to access current and historical trending information and event notification alarms. For more specialized applications, Panduit offers a custom made service which involves designing and manufacturing a rack PDU to meet exact customer specifications.



technical information

Dimensions:	32A or smaller vertical units: 70"H x 2.50"W x 2.36"D (1778mm x 64mm x 60mm) 50A or larger vertical units: 70"H x 3.25"W x 2.36"D (1778mm x 82mm x 60mm Horizontal units: 1.73"H x 17.0"W x 8.84"D (44mm x 432mm x 225mm)
Packaging:	3-meter or 10 foot long power cord, screws, and tool-less button mounting
Mounting:	Vertical rack PDUs provide multiple outlets and do not occupy any rack spaces Horizontal units mount via EIA 19" equipment mounting rails
Amperage ratings:	Global: 16, 32 Amps US: 20, 30, 50, and 60 Amps

M series rack PDU with gateway – features and benefits

Rack PDU Features	
Aggregate power monitoring	Performs real-time monitoring and management of aggregate rack PDU current, voltage, kVA, kWhr, kW, Frequency and Power Factor loads to monitor, document, and manage operational power utilization
LCD digital display	On-unit display provides real-time rack PDU power consumption and early notification of exceeded thresholds, reducing the risk of circuit overload
Customizable configurations	Offers standard or customizable builds with single or three phase options, a range of current ratings, and different power outlets that can be adapted for varying power requirements
Gateway Features	
Remote power monitoring	Allows users to remotely access, configure, or manage units, minimizing costly downtime, and travel times to service equipment
Alarm thresholds	Provide user-defined critical power, environmental, and security thresholds that will prompt alarm notifications to enable resolution for maximum uptime
Environmental monitoring	Monitors cabinet conditions such as temperature, humidity and airflow to facilitate capacity management and identify potential causes of equipment failure
Single IP address	Multiple Rack PDUs can be connected to the network via a SmartZone™ Gateway to provide local and remote monitoring of aggregate power, environmental, and physical access data from a single IP address
Door access and control	Utilizes SmartZone™ serial keypads or card readers to support physical access security control of cabinet doors and prevent unauthorized access to racks or cabinets (connects via SmartZone™ Gateway EPA064 and Gateway EPA126)
SmartZone™ Software integration	Captures actionable power and environmental data that can be utilized by SmartZone™ Software to enable data center operational and energy efficiencies, capacity management, and resilience

applications

The SmartZone™ Gateway-Enabled M Series Rack PDU safely and efficiently manages and distributes power to multiple rack or cabinet devices via a single power connector. The SmartZone™ Gateway-Enabled M Series Rack PDU can be deployed and utilized as part of a gateway-based system that utilizes a SmartZone™ Gateway to maintain the active intelligence, with the resulting management of multiple Rack PDUs from a single IP address via a web interface or SNMP.

Gateway-enabled rack PDUs are available for order as standard “off-the-shelf” units for most common requirements, or as customized build configurations that are designed and manufactured to meet exact product requirements.

Offered in a variety of horizontal and vertical mounting options that support simple flexible installations for Panduit® Net-Access™ and Net-SERV® Cabinets, or 2- and 4-post racks.

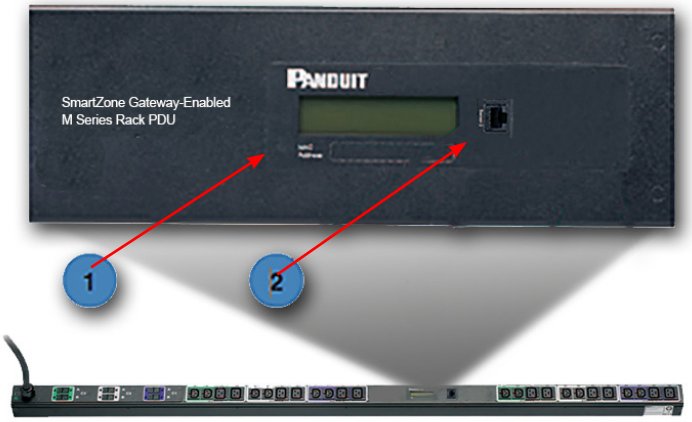
As part of an fully intelligent data center or DCIM solution, the SmartZone™ Gateway-Enabled M Series Rack PDU captures aggregate rack PDU power and environmental data that can be used by SmartZone™ Software to more effectively manage and optimize operational efficiencies

test data

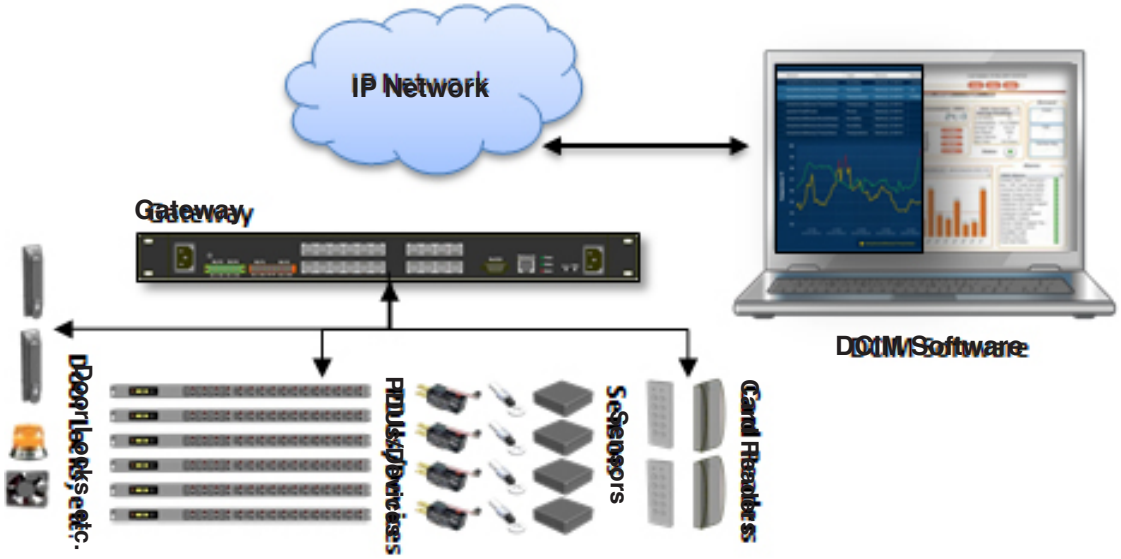
Parameter	Value
Mounting	Tool-less button style
Upgradability	Firmware upgradeable
Gateway Connection	RJ45 serial port
Operating Temperature	50°F to 104°F (10°C to 40°C)
Rated Voltage	120, 208, or 230/400 VAC (Three phase), 120, 208, or 230 VAC (Single phase)
Rated Current	Up to 63A AC Nominal
Rated Frequency	48 to 62Hz

local display features

1. **Local LCD Display –** Shows the firmware version number, serial number, and power readings
2. **Gateway Connection –** Includes RJ45 Serial Port for power monitoring via the local gateway



gateway-enabled rack PDU connection to the gateway



SmartZone™ Gateway-Enabled M Series Rack PDU
(for Aggregate Power Monitoring)

part numbers

Item Number	Item Description
SmartZone™ Gateway-Enabled M Series Rack PDUs	
16A	
GM-A0259BL	16 A Three Phase Vertical Rack PDU, 230/400V, WYE 24 IEC C-13 and 6 IEC C-19 receptacles, IEC 60309-6H 3P+N+E plug
GM-A0262BL	16 A Single Phase Vertical Rack PDU, 230V, 18 IEC C-13 and 6 IEC C-19 locking receptacles, IEC 60309-6H 2P+E plug
GM-A0263BL	16 A Single Phase Vertical Rack PDU, 230V, 24 IEC C-13 and 6 IEC C-19 receptacles, IEC 60309-6H 2P+E plug
GM-A0264BL	16 A Single Phase Vertical Rack PDU, 230V 30 IEC C-13 receptacles, IEC 60309-6H 2P+E plug
GM-A0300BL	16 A Three Phase Vertical Rack PDU, 230/400V, WYE, 18 IEC C-13 locking and 6 IEC C-19 locking receptacles, IEC 60309, splashproof plug
20A	
GM-A0268BL	20 A Single Phase Horizontal Rack PDU,120V 10 NEMA 5-20R receptacles, NEMA 5-20P plug
GM-A0269BL	20 A Single Phase Vertical Rack PDU, 120V 24 NEMA 5-20 in-line receptacles, NEMA 5-20P twist lock plug
GM-A0270BL	20 A Single Phase Vertical Rack PDU, 120V 24 NEMA 5-20 in-line receptacles, NEMA L5-20P twist lock plug
GM-A0271BL	20 A Single Phase Vertical Rack PDU, 208V, 24 IEC C-13 and 6 IEC C-19 receptacles, NEMA 6-20P twist lock plug
GM-A0272BL	20 A Single Phase, Vertical Rack PDU, 208V, 24 IEC C-13 and 6 IEC C-19 receptacles, NEMA L6-20P twist lock plug
GM-A0251BL	20 A Three Phase Vertical Rack PDU, 208V, WYE 24 IEC C-13 and 6 IEC C-19 receptacles, NEMA L21-20P twist lock plug
30A	
GM-A0252BL	30 A Single Phase, Horizontal Rack PDU, 208V, 6 IEC C-13 and 2 IEC C-19 locking receptacles, NEMA L6-30P plug
GM-A0253BL	30 A Single Phase Horizontal Rack PDU, 120V, 10 NEMA 5-20R receptacles, NEMA L5-30P plug
GM-A0254BL	30 A Single Phase Vertical Rack PDU, 120V 24 NEMA 5-20 receptacles, NEMA L5-30P twist lock plug
GM-A0255BL	30 A Three Phase Vertical Rack PDU, 208 V, Delta, 24 IEC C-13 and 6 IEC C-19 receptacles, NEMA L15-30P twist lock plug
GM-A0256BL	30 A Three Phase Vertical Rack PDU, 208V, WYE, 24 IEC C-13 and 6 IEC C-19, NEMA L21-30P twist lock plug
GM-A0267BL	30 A Three Phase Vertical Rack PDU, 120/208V, WYE, 18 IEC C-13, 6 IEC C-19 receptacles and 6 NEMA 5-20R, NEMA L21-30P twist lock plug
GM-A0274BL	30 A Single Phase Horizontal Rack PDU, 208V, 6 IEC C-13 and 2 IEC C-19 locking receptacles, NEMA L6-30P plug
GM-A0301BL	30 A Three Phase Vertical Rack PDU, 208V, Delta, 18 IEC C-13 locking and 6 IEC C-19 locking receptacles, NEMA L15-30P twist lock plug
32A	
GM-A0258BL	32 A Three Phase Vertical Rack PDU, 230/400V, WYE, 24 IEC C-13 and 6 IEC C-19 receptacles, IEC 60309-6H 3P+N+E plug
GM-A0265BL	32 A Single Phase Vertical Rack PDU, 230V, 24 IEC C-13 and 6 IEC C-19 receptacles, IEC 60309-6H 2P+E plug
GM-A0296BL	32 A Three Phase Vertical Rack PDU, 230/400V, WYE, 18 IEC C-13 locking and 6 IEC C-19 locking receptacles, IEC 60309, splashproof plug
GM-A0307BL	32 A Single Phase Horizontal Rack PDU, 230V, 6 IEC C13 locking and 2 IEC C19 locking receptacles, IEC 60309, splashproof plug
GM-A0308BL	32 A Three Phase Vertical Rack PDU, 230/400V, WYE, 12 IEC C-13 locking and 12 IEC C-19 locking receptacles, IEC 60309, splashproof plug
50A	
GM-A0273BL	50 A Three Phase, Vertical Rack PDU, 208V, 24 IEC C-13 and 6 IEC C-19 receptacles, NEMA CS-8365c plug
GM-A0303BL	50 A Three Phase Vertical Rack PDU, 208V, Delta, 18 IEC C-13 locking and 6 IEC C-19 locking receptacles, NEMA CS-8365C twist lock plug
60A	
GM-A0260BL	60 A Three Phase Vertical Rack PDU, 208V, Delta, 18 IEC C-13, 12 IEC C-19 receptacles, IEC 60309-9H 3P+E plug
GM-A0261BL	60 A Three Phase Vertical Rack PDU, 208V, Delta, 24 IEC C-13, 6 IEC C-19 receptacles, IEC 60309-9H 3P+E plug
GM-A0257BL	60 A Single Phase, Vertical Rack PDU, 208V, 24 IEC C-13 and 6 IEC C-19 receptacles, IEC 60309 - 6H 2P+E plug
GM-A0304BL	60 A Three Phase Vertical Rack PDU, 208V, Delta, 18 IEC C-13 locking and 6 IEC C-19 locking receptacles, IEC 60309, splashproof plug
GM-A0305BL	60 A Three Phase Vertical Rack PDU, 208V, Delta, 12 IEC C-13 locking and 12 IEC C-19 locking receptacles, IEC 60309, splashproof plug

part numbers (continued)

Item Number	Item Description
(Optional) SmartZone™ Gateway-Enabled Sensors	
ZEAIR-02	Air flow sensor, uni-directional, 4m cable
ZETHL-13	External temperature sensor, 4m patch cable terminating in RJ45 socket
ZETHL-10	Humidity sensor, requires standard patch cable
ZEPIR-04	PIR sensor, 4m patch cable terminating in RJ45 socket
ZETHL-14	Temperature sensor, 30cm cable terminating in RJ45 socket
ZEWD3-05	Water sensor (contact type), 4m patch cable
ZEWS-03-03	Water sensor (rope type), rope length 5m, 4m patch cable

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