Vertiv™ PowerIT rPDU



OVERVIEW

Upgradeable Outlet Level EC Monitored rPDUs provide reliable power distribution to critical IT equipment while delivering a comprehensive view of outlet level power usage via remote network access. Includes environmental monitoring capabilities to obtain realtime environmental metrics. Upgrade the hot-swappable monitoring device on select units to leverage new technologies and accommodate changing business needs.



- Reliable power distribution with local and remote power monitoring options offer quick access to critical power usage information to evaluate energy usage trends and maximize uptime.
- **Environmental monitoring** capabilities with the addition of optional environmental sensors ensure users have critical infrastructure data at their fingertips to prevent climate-related equipment failure and system downtime.
- Fault-Tolerant
- Every unit is 100% tested for reliability and functionality. Daisy Chaining with RSTP simplifies intelligent rPDU connectivity and ensures data is reported even when a break in the network chain occurs. Supports up to 40 rPDUs.
- Daisy-chain up to 50 devices on a single IP address and reduce deployment time with selfconfiguration of downstream devices.





Part #: VP6G91A0

Model Number: MGR5M1R6-12CF13-3PS6C2H10-S

Category: Monitored

Sub Category: Outlet Level

Power Configuration: 32A, 230V, 7.3kW

Physical Configuration: 19in / 483mm, Horizontal

Product Summary: rPDU, Monitored Outlet Level EC, 32A, 230V, 7.3kW, Horizontal, (12) Combination

C13/C19, 10ft / 3m power cord with 1P+N+E AU (IP66), Black Powder Coat.

Monitoring: Input and Outlet power monitoring. Circuit/Breaker current monitoring. Environmental

monitoring via optional remote sensors. Daisy chain Ethernet connectivity. Local high

visibility display.

Plug Form: Receptacle:







1P+N+E AU (IP66)

Combination C13/C19 (Quantity: 12)

Chassis Color Options:



To discuss color options, contact your local sales representative.

Product Specification and Options

System Features

monitoring, Environmental monitoring via optional remote sensors. Dalsy chain Ethernet connectivity, Local high visibility display. Input Monitoring Phase (A) Monitoring (kWh, W, VA, PF, V, A) Power Measurements Compliant with ANSI C12.1 and IEC 62053 21 at 1% Accuracy Class Requirements Circuit Monitoring Circuit Breaker Current Measurements Independently Tested and Verified at 2% Accuracy Qualet Monitoring Outlet Monitoring (kWh, W, VA, PF, V, A) Power Measurements Compliant with ANSI C12.1 and IEC 62053 21 at 1% Accuracy Class Requirements. Quantity Of Inputs 1 Voltage 200-240V Current 32A VA per Input (Load Capacity) 7.3kW (230V) Frequency 50/60Hz Over Current Protection (2) 16A Single Pole Magnetic Breakers (10kAIC Rated) Switch Breaker/Switch Combination LCD Touchscreen Display / Auto Oriented Yes Indicators - LED(s) 12 Power Cable Wire Gauge 4mmÅr H07RN-F Power Cable Length 10ft / 3m Power Entry Location Left Rear Plug Type AS/NZS 3123 Industrial Plug, 1P + N + E, 32A, IP66 56P332 Receptacle/Socket Type #1 Combination C13/C19 - Quantity on Rear 12 - Quantity on Rear 12 - Quantity on Rear 12 - Curcuit Color ID 2 Circuit = Orange, Green - Style - Voltage per Receptacle/Socket 230V Network Connection Dual 10/100/1000Mbps Ethernet Protocols Supported DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SMMP (VI/V2c/v3), Syslog, TACACS+, Modbus TCP Data Access Formats CSV datalog, JSON API, JSON datalog	System Features	
Power Measurements Compliant with ANSI C12.1 and IEC 62053 21 at 1% Accuracy Class Requirements Circuit Monitoring Circuit / Breaker Monitoring (A) Circuit/Breaker Current Measurements Independently Tested and Verified at 2% Accuracy Outlet Monitoring Outlet Monitoring (kWh, W, VA, PF, V, A) Power Measurements Compliant with ANSI C12.1 and IEC 62053 21 at 1% Accuracy Class Requirements. 1 Voltage 200-240V Current 32A VA per Input (Load Capacity) 7-3kW (230V) Frequency 50/60Hz Over Current Protection (2) 16A Single Pole Magnetic Breakers (10kAIC Rated) Switch Breaker/Switch Combination LCD Touchscreen Display / Auto Oriented Yes Indicators - LED(e) 12 Power Cable Wire Gauge 4mmÅr H07RN-F Power Cable Length 10ft / 3m Power Entry Location Left Rear Plug Type AS/NZS 3123 Industrial Plug, IP + N + E, 32A, IP66 56P332 Receptacle/Socket Type #1 - Quantity on Rear - Quantity on Rear - Quantity on Rear - Circuit Color ID 2 Circuit = Orange, Green - Style Banks of 6 - Voltage per Receptacle/Socket Dual 10/100/1000Mbps Ethernet Protocols Supported DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SSH	Monitoring	monitoring. Environmental monitoring via optional remote sensors. Daisy chain Ethernet connectivity. Local high visibility
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Circuit/Breaker Current Measurements Independently Tested and Verified at 2% Accuracy Outlet Monitoring Outlet Monitoring (kWh, W, VA, PF, V, A) Power Measurements Compliant with ANSI C12.1 and IEC 62053 21 at 1% Accuracy Class Requirements. Ouantity Of Inputs 1 Voltage 200-240V Current 32A VA per Input (Load Capacity) 7.3kW (230V) Frequency 50/60Hz Over Current Protection (2) 16A Single Pole Magnetic Breakers (10kAIC Rated) Switch Breaker/Switch Combination LCD Touchscreen Display / Auto Oriented Yes Indicators - LED(s) 12 Power Cable Wire Gauge 4mmŲ HO7RN-F Power Cable Length 10ft / 3m Power Entry Location Left Rear Plug Type AS/NZS 3123 Industrial Plug, 1P + N + E, 32A, IP66 56P332 Receptacle/Socket Type #1 Combination C13/C19 - Quantity on Rear - Quantity per Breaker 6 - Circuit Color ID 2 Circuit = Orange, Green - Style Banks of 6 - Voltage per Receptacle/Socket 230V Network Connection Dual 10/10/1000Mbps Ethernet Protocols Supported DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SSMP (v/Iv2c/v3), Syslog, TACACS+, Modbus TCP CSV datalog, JSON API, JSON datalog USB Support Yes		Power Measurements Compliant with ANSI C12.1 and IEC 62053- 21 at 1% Accuracy Class Requirements
and Verified at 2% Accuracy Outlet Monitoring Outlet Monitoring (kWh, W, VA, PF, V, A) Power Measurements Compliant with ANSI C12.1 and IEC 62053 21 at 1% Accuracy Class Requirements. Ouantity Of Inputs 1 Voltage 200-240V Current 32A VA per Input (Load Capacity) 7.3kW (230V) Frequency 50/60Hz Over Current Protection (2) 16A Single Pole Magnetic Breakers (10kAIC Rated) Switch Breaker/Switch Combination LCD Touchscreen Display / Auto Oriented Yes Indicators - LED(s) 12 Power Cable Wire Gauge 4mmŲ H07RN-F Power Cable Length 10ft / 3m Power Entry Location Left Rear Plug Type AS/NZ5 3123 Industrial Plug, 1P + N + E, 32A, IP66 56P332 Receptacle/Socket Type #1 Combination C13/C19 - Quantity on Rear 12 - Quantity on Rear 12 - Quantity per Breaker 6 - Circuit Color ID 2 Circuit = Orange, Green - Style Banks of 6 - Voltage per Receptacle/Socket 230V Network Connection Put 10/100/1000Mbps Ethernet DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SMMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCP Data Access Formats CSV datalog, JSON API, JSON datalog USB Support	Circuit Monitoring	Circuit / Breaker Monitoring (A)
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VA per Input (Load Capacity) 7.3kW (230V) Frequency 50/60Hz Over Current Protection (2) 16A Single Pole Magnetic Breakers (10kAIC Rated) Switch Breaker/Switch Combination LCD Touchscreen Display / Auto Oriented Yes Indicators - LED(s) 12 Power Cable Wire Gauge 4mm² H07RN-F Power Cable Length 10ft / 3m Power Entry Location Left Rear Plug Type AS/NZS 3123 Industrial Plug, 1P + N + E, 32A, IP66 56P332 Receptacle/Socket Type #1 Combination C13/C19 - Quantity on Rear 12 - Quantity per Breaker 6 - Circuit Color ID 2 Circuit = Orange, Green - Style Banks of 6 - Voltage per Receptacle/Socket 230V Network Connection Dual 10/100/1000Mbps Ethernet Protocols Supported DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SMMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCP Data Access Formats CSV datalog, JSON API, JSON datalog USB Support Yes	Voltage	200-240V
Sole	Current	32A
Over Current Protection (2) 16A Single Pole Magnetic Breakers (10kAIC Rated) Switch Breaker/Switch Combination LCD Touchscreen Display / Auto Oriented Yes Indicators - LED(s) 12 Power Cable Wire Gauge 4mm² H07RN-F Power Cable Length 10ft / 3m Power Entry Location Left Rear Plug Type AS/NZS 3123 Industrial Plug, 1P + N + E, 32A, IP66 56P332 Receptacle/Socket Type #1 Combination C13/C19 - Quantity on Rear 12 - Quantity on Rear - Circuit Color ID 2 Circuit = Orange, Green - Style Banks of 6 - Voltage per Receptacle/Socket 230V Network Connection Dual 10/100/1000Mbps Ethernet Protocols Supported DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCP Data Access Formats CSV datalog, JSON API, JSON datalog USB Support	VA per Input (Load Capacity)	7.3kW (230V)
Switch Breaker/Switch Combination LCD Touchscreen Display / Auto Oriented Yes Indicators - LED(s) 12 Power Cable Wire Gauge 4mmŲ H07RN-F Power Cable Length 10ft / 3m Power Entry Location Left Rear Plug Type AS/NZS 3123 Industrial Plug, 1P + N + E, 32A, IP66 56P332 Receptacle/Socket Type #1 Combination C13/C19 - Quantity on Rear 12 - Quantity per Breaker 6 - Circuit Color ID 2 Circuit = Orange, Green - Style Banks of 6 - Voltage per Receptacle/Socket 230V Network Connection Dual 10/100/1000Mbps Ethernet Protocols Supported DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCP Data Access Formats CSV datalog, JSON API, JSON datalog USB Support	Frequency	50/60Hz
LCD Touchscreen Display / Auto Oriented Yes Indicators - LED(s) 12 Power Cable Wire Gauge	Over Current Protection	(2) 16A Single Pole Magnetic Breakers (10kAIC Rated)
Indicators - LED(s) 12	Switch	Breaker/Switch Combination
Power Cable Wire Gauge 4mm² H07RN-F Power Cable Length 10ft / 3m Power Entry Location Left Rear Plug Type AS/NZS 3123 Industrial Plug, 1P + N + E, 32A, IP66 56P332 Receptacle/Socket Type #1 Combination C13/C19 - Quantity on Rear 12 - Quantity per Breaker 6 - Circuit Color ID 2 Circuit = Orange, Green - Style Banks of 6 - Voltage per Receptacle/Socket 230V Network Connection Dual 10/1000/1000Mbps Ethernet Protocols Supported DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCP Data Access Formats CSV datalog, JSON API, JSON datalog USB Support Yes	LCD Touchscreen Display / Auto Oriented	Yes
Power Cable Length 10ft / 3m Left Rear AS/NZS 3123 Industrial Plug, 1P + N + E, 32A, IP66 56P332 Receptacle/Socket Type #1 Combination C13/C19 - Quantity on Rear 12 - Quantity per Breaker 6 - Circuit Color ID 2 Circuit = Orange, Green - Style Banks of 6 - Voltage per Receptacle/Socket 230V Network Connection Dual 10/100/1000Mbps Ethernet Protocols Supported DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCP Data Access Formats CSV datalog, JSON API, JSON datalog USB Support	Indicators - LED(s)	12
Power Entry Location Left Rear AS/NZS 3123 Industrial Plug, 1P + N + E, 32A, IP66 56P332 Receptacle/Socket Type #1 Combination C13/C19 - Quantity on Rear 12 - Quantity per Breaker 6 - Circuit Color ID 2 Circuit = Orange, Green - Style Banks of 6 - Voltage per Receptacle/Socket 230V Network Connection Dual 10/100/1000Mbps Ethernet Protocols Supported DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCP Data Access Formats CSV datalog, JSON API, JSON datalog USB Support	Power Cable Wire Gauge	4mm² H07RN-F
Plug Type AS/NZS 3123 Industrial Plug, 1P + N + E, 32A, IP66 56P332 Receptacle/Socket Type #1 Combination C13/C19 - Quantity on Rear 12 - Quantity per Breaker 6 - Circuit Color ID 2 Circuit = Orange, Green - Style Banks of 6 - Voltage per Receptacle/Socket 230V Network Connection Dual 10/100/1000Mbps Ethernet Protocols Supported DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCP Data Access Formats CSV datalog, JSON API, JSON datalog USB Support	Power Cable Length	10ft / 3m
Receptacle/Socket Type #1 - Quantity on Rear - Quantity per Breaker - Circuit Color ID - Style - Banks of 6 - Voltage per Receptacle/Socket - Voltage per Receptacle/Socket Dual 10/100/1000Mbps Ethernet Protocols Supported DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCP Data Access Formats CSV datalog, JSON API, JSON datalog USB Support Yes	Power Entry Location	Left Rear
- Quantity on Rear 12 - Quantity per Breaker 6 - Circuit Color ID 2 Circuit = Orange, Green - Style Banks of 6 - Voltage per Receptacle/Socket 230V Network Connection Dual 10/100/1000Mbps Ethernet Protocols Supported DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCP Data Access Formats CSV datalog, JSON API, JSON datalog USB Support Yes	Plug Type	AS/NZS 3123 Industrial Plug, 1P + N + E, 32A, IP66 56P332
- Quantity per Breaker 6 - Circuit Color ID 2 Circuit = Orange, Green - Style Banks of 6 - Voltage per Receptacle/Socket 230V Network Connection Dual 10/100/1000Mbps Ethernet Protocols Supported DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCP Data Access Formats CSV datalog, JSON API, JSON datalog USB Support Yes	Receptacle/Socket Type #1	Combination C13/C19
- Circuit Color ID 2 Circuit = Orange, Green - Style Banks of 6 - Voltage per Receptacle/Socket 230V Network Connection Dual 10/100/1000Mbps Ethernet Protocols Supported DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCP Data Access Formats CSV datalog, JSON API, JSON datalog USB Support Yes	- Quantity on Rear	12
- Style Banks of 6 - Voltage per Receptacle/Socket 230V Network Connection Dual 10/100/1000Mbps Ethernet Protocols Supported DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCP Data Access Formats CSV datalog, JSON API, JSON datalog USB Support Yes	- Quantity per Breaker	6
- Voltage per Receptacle/Socket 230V Network Connection Dual 10/100/1000Mbps Ethernet Protocols Supported DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCP Data Access Formats CSV datalog, JSON API, JSON datalog USB Support Yes	- Circuit Color ID	2 Circuit = Orange, Green
Network Connection Dual 10/100/1000Mbps Ethernet DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCP Data Access Formats CSV datalog, JSON API, JSON datalog USB Support Yes	- Style	Banks of 6
Protocols Supported DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCP Data Access Formats CSV datalog, JSON API, JSON datalog USB Support Yes	- Voltage per Receptacle/Socket	230V
SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCP Data Access Formats CSV datalog, JSON API, JSON datalog USB Support Yes	Network Connection	Dual 10/100/1000Mbps Ethernet
USB Support Yes	Protocols Supported	DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCP
·	Data Access Formats	CSV datalog, JSON API, JSON datalog
IP Reset Button Yes	USB Support	Yes
	IP Reset Button	Yes

Hard Reboot Button	Yes
Serial Connection	RS232 via RJ45
Remote Sensor RJ Connection Jacks	1 (Supports up to 16 Sensors)
Maximum Operating Temperature	60C / 140F
Heavy Steel - Powder Coat Finish	Black
Configuration	19in / 483mm Horizontal Rackmount
Adjustable Mount Brackets	Yes
Product Warranty	5-year limited warranty if registered within 120 days of purchase, otherwise warranty defaults to 3 years
Certification/Agency Approvals	CE Marked
Certification/Agency Approvals	UKCA Marked
Certification/Agency Approvals	Complies with IEC 62368-1 (DOC Available)
Certification/Agency Approvals	Complies with EN 55032 and EN 55035
Certification/Agency Approvals	RoHS Compliant
Certification/Agency Approvals	RCM Mark (EMC Only)
Certification/Agency Approvals	C _p Mark
Chassis Dimensions (HxWxD)	1.72in x 17in x 12in / 44mm x 432mm x 305mm
Shipped Weight	12lbs (5.44kg)