# Vertiv<sup>™</sup> PowerIT rPDU



## **OVERVIEW**

Upgradeable Switched Outlet Level Monitored rPDUs provide reliable power distribution to critical IT equipment while delivering individual outlet level control and a comprehensive view of outlet level power usage via remote network access. Includes environmental monitoring capabilities to obtain realtime environmental metrics. With the Geist Upgradeable hot-swap technology, users may easily update the rPDU technology with the addition of the appropriate Interchangeable Monitoring Device (IMD) as business needs change.

#### **Benefits**

- Remotely reboot outlets to power cycle unresponsive IT equipment or increase runtime of critical equipment upon power failure with outlet-level control.
- Reliable power distribution with local and remote outlet-level power monitoring options offer quick access to critical power usage information down to the device level 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 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.

# Part #: VP7G30AJ

Model Number: MGU5MHW1-48CF13-3PS56B2A10-S-A Category: Switched Sub Category: Outlet Level Monitoring Power Configuration: 32A, 230/400V WYE, 22.0kW Physical Configuration: 78in / 1982mm, Vertical

#### **Product Summary:**

rPDU, Switched Outlet Level Monitoring EC, 32A, 230/400V WYE, 22.0kW, Vertical, (48) Combination C13/C19, 10ft / 3m power cord with 3P+N+E (IP44), Black Powder Coat.

#### Monitoring:

Input and Outlet power monitoring with Outlet switching. Circuit/Breaker current monitoring. Environmental monitoring via optional remote sensors. Daisy chain Ethernet connectivity. Local high visibility display.

### Plug Form:



3P+N+E (IP44)



**Receptacle:** 

Combination C13/C19 (Quantity: 48)

#### Chassis Color Options:



To discuss color options, contact your local sales representative.

### **Product Specification and Options**

#### **System Features**

Monitoring

Input and Ou Circuit/Breal

Input and Outlet power monitoring with Outlet switching. Circuit/Breaker current monitoring. Environmental monitoring via optional remote sensors. Daisy chain Ethernet connectivity. Local high visibility display.

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• Daisy-chain up to 50 devices on a single IP address and reduce deployment time with selfconfiguration of downstream devices.

Input Monitoring Why, W, VA, FF), Phase (A, B, C) Monitoring (Why, W, VA, FF, V, A)       Phase (A, B, C) Monitoring (A)       Circuit Konitoring       Circuit / Breaker Monitoring (A)       Circuit / Breaker Monitoring (A)       Dutlet Monitoring       Outlet Monitoring (A)       Dutlet Monitoring (A) </th <th></th> <th></th>		
21 at 1%. Accuracy Class Requirements   Circuit Monitoring Circuit / Breaker Monitoring (A)   Circuit Monitoring Circuit / Breaker Monitoring (A)   Outlet Monitoring Outlet Monitoring (A), W, VA, PF, V, A)   Power Measurements Compliant with ANSI C121 and IEC 62053- 21 at 1%. Accuracy Class Requirements.   Remote Power Management Dividual Outlet Switching with Optional User Defined Time Delays and Sequential Power-Use   Quantity Of Inputs 1   Voltage 200-240/346-415V WYE   Current 32 A x 3 Phase WYE   Va per Input (Load Capacity) 22.0kW (230V)   Prequency 50/60Hz   Over Current Protection 60 16 A Single Pole Magnetic Breakers (SkAIC Rated)   Switch Breaker/Switch Combination   LCD Touchscreen Display / Auto Oriented Yes   Indicators - LEDCs) 48   Power Cable Mire Gauge 60mArt HO7RN-F   Power Cable Length 10ft / 3m   Power Cable Mire Gauge 10ft / 3m   Power Cable Length Yes   Power Entry Location 10ft / 3m   Power Tetry Location 60tom Front   Plug Type ECE0303 3P + N E, 32A, 230/400V, Splashproof IP44   Aternating Phase/Circuits Yes   - Quantity per Phase 6   - Quantity per Preaker 8	Input Monitoring	-
Circuit/Breaker Current Measurements Independently Tested     Outlet Monitoring   Circuit/Breaker Current Measurements Compliant with ANSI C12.1 and IEC 62053- 21 at 1% Accuracy Class Requirements.     Remote Power Management   Individual Outlet Switching with Optional User Defined Time Delays and Sequential Power-up     Quantity Of Inputs   1     Voltage   200-2A0/3A6-415V WYE     Current   32A x 3 Phase WYE     V Ap er Input (Load Capacity)   22.0KV (230V)     Frequency   60/60Hz     Over Current Protection   60/10Hz     Over Current Protection   60/10HZ     Over Current Protection   60/10HZ     Over Curset Protection   60/10HZ     Over Curset Protection   60/10HZ     Over Curset Protection   60/10HZ     Dever Cable Length   10ft / 3m     Power Cable Length   10ft / 3m     Power Entry Location   180     Outnity on Face   48     - Quantity on Face   49     - Quantity pre Breaker   16     - Quantity pre Breaker   16     - Quantity on Face   49     - Quantity on Face   10J1/100/1000Mbps Ethernet     - Voltage per Receptacle/		-
and Verified at 2% Accuracy       Outlet Monitoring GWH, W, VA, PF, V, A)       Prover Measurements Compliant with ANSI Ch21 and IEC 620053- 21 at 1% Accuracy Class Requirements.       Remote Power Management     Individual Outlet Switching with Optional User Defined Time Delays and Sequential Power-up       Quantity Of Inputs     1       Vatage     20-04/03.64-15V WYE       Current     32A x 3 Phase WYE       Vatage     00/061/2       Current Protection     50/601/2       Over Current Protection     60/16A Single Pole Magnetic Breakers (SkAIC Rated)       Switch     Breaker/Switch Combination       LD Touchscreen Display / Auto Oriented     14       Power Cable Length     160/03/01-01-01       Power Cable Length     160/03/01-01-01       Power Cable Length     160/03/01-01-01       Power Cable Length     160/03/01-01-01       Power Cable Length     160/01/01-01-01       Power Cable Length     160/01-01-01       Power Cable Length     160/01/01-01       Power Cable Length     160/01/01/01       Power Cable Length     160/01/01/01/01       Power Cable Length     160/01/01/01/01       Power Cable Leng	Circuit Monitoring	Circuit / Breaker Monitoring (A)
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21 at 1% Accuracy Class Requirements.Remote Power ManagementDidividual Outlet Switching with Optional User Defined Time Delays and Sequential Power-upQuantity Of Inputs1Voltage200-240/346-415V WYECurrent21 X 3 Phase WYEVarper Input (Load Capacity)200 K (230V)Frequency60/16A Single Pole Magnetic Breakers (5kAIC Rated)SwitchBreaker/Switch CombinationLCD Touchscreen Display / Auto OrientedYesIndicators - LED(s)60/16A Single Pole Magnetic Breakers (5kAIC Rated)Power Cable Length10f / 3mPower Cable Length10f / 3mPower Cable Length10f / 3mPower Cable Length1060000 P + N + E, 32A, 230/400V, Splashproof IP44Atternating Phase/Crouits6000 SP + N + E, 32A, 230/400V, Splashproof IP44Atternating Phase/Crouits6000 SP + N + E, 32A, 230/400V, Splashproof IP44Atternating Phase/Crouits6000 SP + N + E, 32A, 230/400V, Splashproof IP44Atternating Phase/Crouits6000 SP + N + E, 32A, 230/400V, Splashproof IP44Atternating Phase/Crouits6000 SP + N + E, 32A, 230/400V, Splashproof IP44Atternating Phase/Crouits81000000000000000000000000000000000000	Outlet Monitoring	Outlet Monitoring (kWh, W, VA, PF, V, A)
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LCD Touchscreen Display / Auto Oriented   Yes     Indicators - LED(s)   48     Power Cable Wire Gauge   6mÅ <sup>3</sup> H07RN-F     Power Cable Length   10ft / 3m     Power Cable Length   10ft / 3m     Power Entry Location   Bottom Front     Plug Type   IEC60309 3P + N + E, 32A, 230/400V, Splashproof IP44     Alternating Phase/Circuits   Yes     Receptacle/Socket Type #1   Combination C13/C19     - Quantity on Face   48     - Quantity per Breaker   6     - Quantity per Phase   16     - Gricuit Color ID   6 Circuit = Orange, Green, Blue, Light Orange, Light Green, Light Blue     - Style   Banks of 6     - Voltage per Receptacle/Socket   Dud 10/100/000Mbps Ethernet     Protocols Supported   CSV datalog, JSON API, JSON datalog     Data Access Formats   CSV datalog, JSON API, JSON datalog     IB Reset Button   Yes     Hard Reboot Button   Yes     Strial Connection Jacks   1(Supports up to 16 Sensors)     Maximun Operating Temperature   60C / 140F	Over Current Protection	(6) 16A Single Pole Magnetic Breakers (5kAIC Rated)
Indicators - LED(s)     48       Power Cable Wire Gauge     6mmÅ* H07RN-F       Power Cable Length     10ft / 3m       Power Entry Location     Bottom Front       Plug Type     IEC60309 3P + N + E, 32A, 230/400V, Splashproof IP44       Alternating Phase/Circuits     Yes       Receptacle/Socket Type #1     Combination C13/C19       - Quantity on Face     48       - Quantity per Breaker     8       - Quantity per Phase     16       - Circuit Color ID     6 Circuit = Orange, Green, Blue, Light Orange, Light Green, Light Blue       - Voltage per Receptacle/Socket     30V       Network Connection     Dual 10/100/1000Mbps Ethernet       Protocols Supported     SSV datalog, JSON API, JSON datalog       UBS Support     Yes       IP Reset Button     Yes       Hard Reboot Button     S22 via RJ45       Remote Sensor RJ Connection Jacks     1(Supports up to 16 Sensors)       Maximum Operating Temperature     60C / 140F	Switch	Breaker/Switch Combination
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Power Entry LocationBottom FrontPlug TypeIEC60309 3P + N + E, 32A, 230/400V, Splashproof IP44Alternating Phase/CircuitsYesReceptacle/Socket Type #1Combination C13/C19- Quantity on Face48- Quantity per Breaker8- Quantity per Phase16- Gricuit Color ID6 Circuit = Orange, Green, Blue, Light Orange, Light Green, Light Blue- Voltage per Receptacle/Socket230VNetwork ConnectionDual 10/100/1000Mbps EthernetProtocols SupportedSNTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCPData Access FormatsCSV datalog, JSON API, JSON datalogUSB SupportYesHard Reboot ButtonYesRemote Sensor RJ Connection JacksNi Supports up to 16 Sensors)Maximum Operating Temperature60C / 140F	Power Cable Wire Gauge	6mm² H07RN-F
Plug Type   IEC60309 3P + N + E, 32A, 230/400V, Splashproof IP44     Alternating Phase/Circuits   Yes     Receptacle/Socket Type #1   Combination C13/C19     - Quantity on Face   48     - Quantity per Breaker   8     - Quantity per Phase   16     - Circuit Color ID   6 Circuit = Orange, Green, Blue, Light Orange, Light Green, Light Blue     - Voltage per Receptacle/Socket   230V     Network Connection   Dual 10/100/1000Mbps Ethernet     Protocols Supported   SY datalog, JSON API, JSON datalog     USB Support   Yes     IP Reset Button   Yes     Hard Reboot Button   Yes     Remote Sensor RJ Connection Jacks   1(Supports up to 16 Sensors)     Maximum Operating Temperature   60C / 140F	Power Cable Length	10ft / 3m
Alternating Phase/CircuitsYesReceptacle/Socket Type #1Combination C13/C19- Quantity on Face48- Quantity per Breaker8- Quantity per Phase16- Circuit Color ID6 Circuit = Orange, Green, Blue, Light Orange, Light Green, Light Blue- StyleBanks of 6- Voltage per Receptacle/Socket230VNetwork ConnectionDual 10/100/1000Mbps EthernetProtocols SupportedDHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCPData Access FormatsCSV datalog, JSON API, JSON datalogUSB SupportYesHard Reboot ButtonYesSerial Connection Jacks1 (Supports up to 16 Sensors)Maximum Operating Temperature60C / 140F	Power Entry Location	Bottom Front
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- Quantity per Breaker8- Quantity per Phase16- Circuit Color ID6 Circuit = Orange, Green, Blue, Light Orange, Light Green, Light Blue- StyleBanks of 6- Voltage per Receptacle/Socket230VNetwork ConnectionDual 10/100/1000Mbps EthernetProtocols SupportedDHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCPData Access FormatsCSV datalog, JSON API, JSON datalogUSB SupportYesHard Reboot ButtonYesSerial ConnectionRS23 via RJ45Remote Sensor RJ Connection Jacks1(Supports up to 16 Sensors)Maximum Operating Temperature60C / 140F	Receptacle/Socket Type #1	Combination C13/C19
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Blue- StyleBanks of 6- Voltage per Receptacle/Socket230VNetwork ConnectionDual 10/100/1000Mbps EthernetProtocols SupportedDHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCPData Access FormatsCSV datalog, JSON API, JSON datalogUSB SupportYesIP Reset ButtonYesHard Reboot ButtonYesSerial Connection Jacks1(Supports up to 16 Sensors)Maximum Operating Temperature60C / 140F	- Quantity per Phase	16
- Voltage per Receptacle/Socket230VNetwork ConnectionDual 10/100/1000Mbps EthernetProtocols SupportedDHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCPData Access FormatsCSV datalog, JSON API, JSON datalogUSB SupportYesIP Reset ButtonYesHard Reboot ButtonYesSerial Connection Jacks1 (Supports up to 16 Sensors)Maximum Operating Temperature60C / 140F	- Circuit Color ID	
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Protocols SupportedDHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCPData Access FormatsCSV datalog, JSON API, JSON datalogUSB SupportYesIP Reset ButtonYesHard Reboot ButtonYesSerial ConnectionRS232 via RJ45Remote Sensor RJ Connection Jacks1 (Supports up to 16 Sensors)Maximum Operating Temperature60C / 140F	- Voltage per Receptacle/Socket	230V
SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCPData Access FormatsCSV datalog, JSON API, JSON datalogUSB SupportYesIP Reset ButtonYesHard Reboot ButtonYesSerial ConnectionRS232 via RJ45Remote Sensor RJ Connection Jacks1 (Supports up to 16 Sensors)Maximum Operating Temperature60C / 140F	Network Connection	Dual 10/100/1000Mbps Ethernet
USB SupportYesIP Reset ButtonYesHard Reboot ButtonYesSerial ConnectionRS232 via RJ45Remote Sensor RJ Connection Jacks1 (Supports up to 16 Sensors)Maximum Operating Temperature60C / 140F	Protocols Supported	
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	Data Access Formats	CSV datalog, JSON API, JSON datalog
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	USB Support	Yes
Serial Connection RS232 via RJ45   Remote Sensor RJ Connection Jacks 1 (Supports up to 16 Sensors)   Maximum Operating Temperature 60C / 140F	IP Reset Button	Yes
Remote Sensor RJ Connection Jacks 1 (Supports up to 16 Sensors)   Maximum Operating Temperature 60C / 140F	Hard Reboot Button	Yes
Maximum Operating Temperature 60C / 140F	Serial Connection	RS232 via RJ45
	Remote Sensor RJ Connection Jacks	1 (Supports up to 16 Sensors)
and Avenue Westerville OH (1308) USA	Maximum Operating Temperature	60C / 140F

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Heavy Steel - Powder Coat Finish	Black
Configuration	Zero U
7938 Vertical Mounting Bracket Kit	Yes
Toolless Mounting Hardware - Center to Center Spacing	61.25in and 64.75in / 1556mm and 1645mm
Country of Origin	USA, TAA Compliant and Buy American Act COTS Compliant
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	China RoHS
Certification/Agency Approvals	C م Mark
Chassis Dimensions (LxWxD)	78in x 3.8in x 2.6in / 1982mm x 97mm x 66mm
Shipped Weight	22lbs (9.98kg)

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