

## OVERVIEW

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

### Benefits

- 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 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.
- Every unit is 100% tested for reliability and functionality.
- Daisy-chain up to 50 devices on a single IP address and reduce deployment time with self-configuration of downstream devices.



## Part #: VP4G21A1

**Model Number:** MG05M1R0-09P633-2PS56B2H10-S

**Category:** Monitored

**Sub Category:** Unit Level

**Power Configuration:** 16A, 230/400V WYE, 11.0kW

**Physical Configuration:** 19in / 483mm, Horizontal

### Product Summary:

rPDU, Monitored Unit Level EC, 16A, 230/400V WYE, 11.0kW, Horizontal, (6) Locking IEC C13, (3) Locking IEC C19, 3m power cord with 3P+N+E (IP44), Black Powder Coat.

### Monitoring:

Input and per Phase power monitoring with 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:



Locking IEC C13  
(Quantity: 6)



Locking IEC C19  
(Quantity: 3)

## Chassis Color Options:



To discuss color options, contact your local sales representative.

## Product Specification and Options

### System Features

|                                           |                                                                                                                                                                                                       |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Monitoring                                | Input and per Phase power monitoring with Circuit/Breaker current monitoring. Environmental monitoring via optional remote sensors. Daisy chain Ethernet connectivity. Local high visibility display. |
| Monitoring Level 1                        | Aggregate - Total Unit Monitoring (kWh, W, VA, PF)<br><br>Power Measurements Compliant with ANSI C12.1 and IEC 62053-21 at 1% Accuracy Class Requirements                                             |
| Monitoring Level 2                        | Phase (A, B, C) Monitoring (kWh, W, VA, PF, V, A)<br><br>Power Measurements Compliant with ANSI C12.1 and IEC 62053-21 at 1% Accuracy Class Requirements                                              |
| Monitoring Level 3                        | Circuit / Breaker Monitoring (A)<br><br>Circuit/Breaker Current Measurements Independently Tested and Verified at 2% Accuracy                                                                         |
| Quantity Of Inputs                        | 1                                                                                                                                                                                                     |
| Voltage                                   | 200-240/346-415V WYE                                                                                                                                                                                  |
| Current                                   | 16A x 3 Phase WYE                                                                                                                                                                                     |
| VA per Input (Load Capacity)              | 11.0kW (230V)                                                                                                                                                                                         |
| Frequency                                 | 50/60Hz                                                                                                                                                                                               |
| Over Current Protection                   | None                                                                                                                                                                                                  |
| Switch                                    | No                                                                                                                                                                                                    |
| LCD Touchscreen Display / Auto Oriented   | Yes                                                                                                                                                                                                   |
| Power Cable Wire Gauge                    | 2.5mm <sup>2</sup> H07RN-F                                                                                                                                                                            |
| Power Cable Length                        | 10ft / 3m                                                                                                                                                                                             |
| Power Entry Location                      | Left Rear                                                                                                                                                                                             |
| Plug Type                                 | IEC60309 3P + N + E, 16A, 230/400V, Splashproof IP44                                                                                                                                                  |
| Combined Total Receptacle/Socket Quantity | 9                                                                                                                                                                                                     |
| Receptacle/Socket Type #1                 | U-Lock IEC C13                                                                                                                                                                                        |
| - Quantity on Rear                        | 6                                                                                                                                                                                                     |
| - Quantity per Phase                      | 2                                                                                                                                                                                                     |
| - U-Lock Color ID                         | 3 Circuit = Orange, Green, Blue                                                                                                                                                                       |
| - Style                                   | Individual                                                                                                                                                                                            |
| - Voltage per Receptacle/Socket           | 230V                                                                                                                                                                                                  |
| Receptacle/Socket Type #2                 | U-Lock IEC C19                                                                                                                                                                                        |
| - Quantity on Rear                        | 3                                                                                                                                                                                                     |
| - Quantity per Phase                      | 1                                                                                                                                                                                                     |
| - U-Lock Color ID                         | 3 Circuit = Orange, Green, Blue                                                                                                                                                                       |
| - Style                                   | Individual                                                                                                                                                                                            |
| - Voltage per Receptacle/Socket           | 230V                                                                                                                                                                                                  |

|                                   |                                                                                                                  |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------|
| Internal RMS Voltage Sensor       | Yes                                                                                                              |
| Internal RMS Current Sensor       | Yes                                                                                                              |
| 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                                                                                                              |
| 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                     | 1U                                                                                                               |
| 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    | C <sub>ρ</sub> Mark                                                                                              |
| Certification/Agency Approvals    | RCM Mark (EMC Only)                                                                                              |
| Certification/Agency Approvals    | China RoHS                                                                                                       |
| Chassis Dimensions (HxWxD)        | 44mm x 432mm x 216mm                                                                                             |
| Shipped Weight                    | 14lbs (6.35kg)                                                                                                   |