

## 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 #: VP4G31A5

**Model Number:** MG05M2R1-12L193-3PS56B2H10-S

**Category:** Monitored

**Sub Category:** Unit Level

**Power Configuration:** 32A, 230/400V WYE, 22.0kW

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

### Product Summary:

rPDU, Monitored Unit Level EC, 32A, 230/400V WYE, 22.0kW, Horizontal, (12) 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 C19  
(Quantity: 12)**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                                 | 32A x 3 Phase WYE   |
| VA per Input (Load Capacity)            | 22.0kW (230V)   |
| Frequency                               | 50/60Hz   |
| Over Current Protection                 | (6) 16A Single Pole Magnetic Breakers   |
| Switch                                  | Breaker/Switch Combination  |
| LCD Touchscreen Display / Auto Oriented | Yes   |
| Power Cable Wire Gauge                  | 6mm <sup>2</sup> H07RN-F  |
| Power Cable Length                      | 10ft / 3m   |
| Power Entry Location                    | Left Rear   |
| Plug Type                               | IEC60309 3P + N + E, 32A, 230/400V, Splashproof IP44  |
| Receptacle/Socket Type #1               | U-Lock IEC C19  |
| - Quantity on Rear                      | 12  |
| - Quantity per Breaker                  | 2   |
| - Quantity per Phase                    | 4   |
| - U-Lock Color ID                       | 6 Circuit = Orange, Light Orange, Green, Light Green, Blue, Light Blue  |

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|--|--|
| <b>- Style</b>                           | Individual   |
| <b>- Voltage per Receptacle/Socket</b>   | 230V   |
| <b>Internal RMS Voltage Sensor</b>       | Yes  |
| <b>Internal RMS Current Sensor</b>       | Yes  |
| <b>Network Connection</b>                | Dual 10/100/1000Mbps Ethernet  |
| <b>Protocols Supported</b>               | DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCP |
| <b>Data Access Formats</b>               | CSV datalog, JSON API, JSON datalog  |
| <b>USB Support</b>                       | Yes  |
| <b>IP Reset Button</b>                   | Yes  |
| <b>Hard Reboot Button</b>                | Yes  |
| <b>Serial Connection</b>                 | RS232 via RJ45   |
| <b>Remote Sensor RJ Connection Jacks</b> | 1 (Supports up to 16 Sensors)  |
| <b>Maximum Operating Temperature</b>     | 60C / 140F   |
| <b>Heavy Steel - Powder Coat Finish</b>  | Black  |
| <b>Configuration</b>                     | 2U   |
| <b>19in Recess Mount</b>                 | Yes  |
| <b>Product Warranty</b>                  | 5-year limited warranty if registered within 120 days of purchase, otherwise warranty defaults to 3 years        |
| <b>Certification/Agency Approvals</b>    | CE Marked  |
| <b>Certification/Agency Approvals</b>    | UKCA Marked  |
| <b>Certification/Agency Approvals</b>    | Complies with IEC 62368-1 (DOC Available)  |
| <b>Certification/Agency Approvals</b>    | Complies with EN 55032 and EN 55035  |
| <b>Certification/Agency Approvals</b>    | RoHS Compliant   |
| <b>Certification/Agency Approvals</b>    | RCM Mark (EMC Only)  |
| <b>Certification/Agency Approvals</b>    | China RoHS   |
| <b>Certification/Agency Approvals</b>    | C <sub>p</sub> Mark  |
| <b>Chassis Dimensions (HxWxD)</b>        | 87mm x 432mm x 229mm   |
| <b>Shipped Weight</b>                    | 16lbs (7.26kg)   |