

## 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 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
- 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 self-configuration of downstream devices.



## Part #: VP6N31A0

**Model Number:** MNR5M1R6-12S203-3TL5A0H10-S

**Category:** Monitored

**Sub Category:** Outlet Level

**Power Configuration:** 30A, 120V, 2.8kW

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

**Product Summary:** rPDU, Monitored Outlet Level EC, 30A, 120V, 2.8kW, Horizontal, (12) NEMA 5-20R, 10ft / 3m power cord with L5-30P, 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 LED display.

### Plug Form:



L5-30P

### Receptacle:



NEMA 5-20R  
(Quantity: 12)

### Chassis Color Options:



To discuss color options, contact your local sales representative.

## Product Specification and Options

### System Features

|                                                |                                                                                                                                                                                                    |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Monitoring</b>                              | Input and Outlet power monitoring. Circuit/Breaker current monitoring. Environmental monitoring via optional remote sensors. Daisy chain Ethernet connectivity. Local high visibility LED display. |
| <b>Input Monitoring</b>                        | Phase (A) 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                                                 |
| <b>Circuit Monitoring</b>                      | Circuit / Breaker Monitoring (A)<br><br>Circuit/Breaker Current Measurements Independently Tested and Verified at 2% Accuracy                                                                      |
| <b>Outlet Monitoring</b>                       | Outlet 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.                                                   |
| <b>Quantity Of Inputs</b>                      | 1                                                                                                                                                                                                  |
| <b>Voltage</b>                                 | 100-120V                                                                                                                                                                                           |
| <b>Current</b>                                 | 30A                                                                                                                                                                                                |
| <b>VA per Input (Load Capacity)</b>            | 2.8kW (120V)                                                                                                                                                                                       |
| <b>Frequency</b>                               | 50/60Hz                                                                                                                                                                                            |
| <b>Over Current Protection</b>                 | (2) 20A Single Pole Magnetic Breakers (10kAIC Rated)                                                                                                                                               |
| <b>Switch</b>                                  | Breaker/Switch Combination                                                                                                                                                                         |
| <b>LCD Touchscreen Display / Auto Oriented</b> | Yes                                                                                                                                                                                                |
| <b>Indicators - LED(s)</b>                     | 12                                                                                                                                                                                                 |
| <b>Power Cable Wire Gauge</b>                  | 10/3                                                                                                                                                                                               |
| <b>Power Cable Length</b>                      | 10ft / 3m                                                                                                                                                                                          |
| <b>Power Entry Location</b>                    | Left Rear                                                                                                                                                                                          |
| <b>Plug Type</b>                               | NEMA L5-30P Twistlock                                                                                                                                                                              |
| <b>Receptacle/Socket Type #1</b>               | NEMA 5-20R                                                                                                                                                                                         |
| - Quantity on Rear                             | 12                                                                                                                                                                                                 |
| - Quantity per Breaker                         | 6                                                                                                                                                                                                  |
| - Style                                        | Individual                                                                                                                                                                                         |
| - Voltage per Receptacle/Socket                | 120V                                                                                                                                                                                               |
| <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>                     | 19in / 483mm Horizontal Rackmount                                                                         |
| <b>Adjustable Mount Brackets</b>         | Yes                                                                                                       |
| <b>Country of Origin</b>                 | USA, TAA Compliant and Buy American Act COTS Compliant                                                    |
| <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>    | RoHS Compliant                                                                                            |
| <b>Certification/Agency Approvals</b>    | FCC Part 15 Class A Conformance                                                                           |
| <b>Certification/Agency Approvals</b>    | UL & c-UL Listed 62368-1                                                                                  |
| <b>Chassis Dimensions (HxWxD)</b>        | 1.72in x 17in x 12in / 44mm x 432mm x 305mm                                                               |
| <b>Shipped Weight</b>                    | 12lbs (5.44kg)                                                                                            |