

## 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 #: VP6N31A4

**Model Number:** MNR5M1R6-12CF13-3TL56A0H10-S

**Category:** Monitored

**Sub Category:** Outlet Level

**Power Configuration:** 30A, 240/415V WYE, 17.2kW

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

### Product Summary:

rPDU, Monitored Outlet Level EC, 30A, 240/415V WYE, 17.2kW, Horizontal, (12) Combination C13/C19, 10ft / 3m power cord with L22-30P, 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:



L22-30P

### Receptacle:



Combination C13/C19  
(Quantity: 12)

### Chassis Color Options:



To discuss color options, contact your local sales representative.

## Product Specification and Options

### System Features

|                                         |                                                                                                                                                                                                    |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |
| Input Monitoring                        | Total Unit Monitoring (kWh, W, VA, PF)<br>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 |
| Circuit Monitoring                      | Circuit / Breaker Monitoring (A)<br><br>Circuit/Breaker Current Measurements Independently Tested and Verified at 2% Accuracy                                                                      |
| Outlet Monitoring                       | 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.                                                   |
| Quantity Of Inputs                      | 1                                                                                                                                                                                                  |
| Voltage                                 | 200-240/346-415V WYE                                                                                                                                                                               |
| Current                                 | 30A x 3 Phase WYE                                                                                                                                                                                  |
| VA per Input (Load Capacity)            | 17.2kW (240V)                                                                                                                                                                                      |
| Frequency                               | 50/60Hz                                                                                                                                                                                            |
| Over Current Protection                 | (6) 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                  | 10/5                                                                                                                                                                                               |
| Power Cable Length                      | 10ft / 3m                                                                                                                                                                                          |
| Power Entry Location                    | Left Rear                                                                                                                                                                                          |
| Plug Type                               | NEMA L22-30P Twistlock                                                                                                                                                                             |
| Receptacle/Socket Type #1               | Combination C13/C19                                                                                                                                                                                |
| - Quantity on Rear                      | 12                                                                                                                                                                                                 |
| - Quantity per Breaker                  | 2                                                                                                                                                                                                  |
| - Quantity per Phase                    | 4                                                                                                                                                                                                  |
| - Circuit Color ID                      | 6 Circuit = Orange, Green, Blue, Light Orange, Light Green, Light Blue                                                                                                                             |
| - Style                                 | Banks of 6                                                                                                                                                                                         |
| - Voltage per Receptacle/Socket         | 240V (L-N)                                                                                                                                                                                         |
| 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                     | 19in / 483mm Horizontal Rackmount                                                                         |
| Adjustable Mount Brackets         | Yes                                                                                                       |
| 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    | RoHS Compliant                                                                                            |
| Certification/Agency Approvals    | FCC Part 15 Class A Conformance                                                                           |
| Certification/Agency Approvals    | UL & c-UL Listed 62368-1                                                                                  |
| Chassis Dimensions (HxWxD)        | 1.72in x 17in x 12in / 44mm x 432mm x 305mm                                                               |
| Shipped Weight                    | 18lbs (8.16kg)                                                                                            |