

## 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 #: VP6N60A2

**Model Number:** MNR5MHB1-36PNB8-6PS15B0A10-S-A

**Category:** Monitored

**Sub Category:** Outlet Level

**Power Configuration:** 60A, 208V DELTA, 17.2kW

**Physical Configuration:** 66in / 1683mm, Vertical

### Product Summary:

rPDU, Monitored Outlet Level EC, 60A, 208V Delta, 17.2kW, Vertical, (24) Locking IEC C13, (12) Locking IEC C19, 10ft / 3m power cord with 3P+E (IP44), 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:



3P+E (IP44)

### Receptacle:



Locking IEC C13  
(Quantity: 24)



Locking IEC C19  
(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>                          | <p>Total Unit Monitoring (kWh, W, VA, PF)<br/> Phase (AB, BC, CA) Monitoring (kWh, W, VA, PF, V, A)<br/> Line (A, B, C) Monitoring (A)</p> <p>Power Measurements Compliant with ANSI C12.1 and IEC 62053-21 at 1% Accuracy Class Requirements</p> |
| <b>Circuit Monitoring</b>                        | <p>Circuit / Breaker Monitoring (A)</p> <p>Circuit/Breaker Current Measurements Independently Tested and Verified at 2% Accuracy</p>                                                                                                              |
| <b>Outlet Monitoring</b>                         | <p>Outlet Monitoring (kWh, W, VA, PF, V, A)</p> <p>Power Measurements Compliant with ANSI C12.1 and IEC 62053-21 at 1% Accuracy Class Requirements.</p>                                                                                           |
| <b>Quantity Of Inputs</b>                        | 1                                                                                                                                                                                                                                                 |
| <b>Voltage</b>                                   | 200-240V Delta                                                                                                                                                                                                                                    |
| <b>Current</b>                                   | 60A x 3 Phase DELTA                                                                                                                                                                                                                               |
| <b>VA per Input (Load Capacity)</b>              | 17.2kW (208V)                                                                                                                                                                                                                                     |
| <b>Frequency</b>                                 | 50/60Hz                                                                                                                                                                                                                                           |
| <b>Over Current Protection</b>                   | (6) 20A Double Pole Magnetic Breakers (5kAIC Rated)                                                                                                                                                                                               |
| <b>Switch</b>                                    | Breaker/Switch Combination                                                                                                                                                                                                                        |
| <b>LCD Touchscreen Display / Auto Oriented</b>   | Yes                                                                                                                                                                                                                                               |
| <b>Indicators - LED(s)</b>                       | 36                                                                                                                                                                                                                                                |
| <b>Power Cable Wire Gauge</b>                    | 6/4                                                                                                                                                                                                                                               |
| <b>Power Cable Length</b>                        | 10ft / 3m                                                                                                                                                                                                                                         |
| <b>Power Entry Location</b>                      | Bottom Front                                                                                                                                                                                                                                      |
| <b>Plug Type</b>                                 | IEC60309 3P + E, 60A, Splashproof IP44                                                                                                                                                                                                            |
| <b>Combined Total Receptacle/Socket Quantity</b> | 36                                                                                                                                                                                                                                                |
| <b>Alternating Phase/Circuits</b>                | Yes                                                                                                                                                                                                                                               |
| <b>Receptacle/Socket Type #1</b>                 | U-Lock IEC C13                                                                                                                                                                                                                                    |
| - Quantity on Face                               | 24                                                                                                                                                                                                                                                |
| - Quantity per Breaker                           | 4                                                                                                                                                                                                                                                 |
| - Quantity per Phase Combination                 | 8                                                                                                                                                                                                                                                 |
| - U-Lock Color ID                                | 6 Circuit = Orange, Green, Blue, Light Orange, Light Green, Light Blue                                                                                                                                                                            |
| - Style                                          | Individual                                                                                                                                                                                                                                        |
| - Voltage per Receptacle/Socket                  | 208V                                                                                                                                                                                                                                              |
| <b>Receptacle/Socket Type #2</b>                 | U-Lock IEC C19                                                                                                                                                                                                                                    |
| - Quantity on Face                               | 12                                                                                                                                                                                                                                                |
| - Quantity per Breaker Pair                      | 2                                                                                                                                                                                                                                                 |
| - Quantity per Phase Combination                 | 4                                                                                                                                                                                                                                                 |
| - U-Lock Color ID                                | 6 Circuit = Orange, Green, Blue, Light Orange, Light Green, Light Blue                                                                                                                                                                            |
| - Style                                          | Individual                                                                                                                                                                                                                                        |

|                                                              |                                                                                                                  |
|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>- Voltage per Receptacle/Socket</b>                       | 208V                                                                                                             |
| <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>                                         | Zero U                                                                                                           |
| <b>7938 Vertical Mounting Bracket Kit</b>                    | Yes                                                                                                              |
| <b>Toolless Mounting Hardware - Center to Center Spacing</b> | 61.25in and 64.75in / 1556mm and 1645mm                                                                          |
| <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 (LxWxD)</b>                            | 66.25in x 3.7in x 2.6in / 1683mm x 94mm x 66mm                                                                   |
| <b>Shipped Weight</b>                                        | 24lbs (10.89kg)                                                                                                  |