

## OVERVIEW

Upgradeable Switched Outlet Level Monitored rPDUs provide reliable power distribution to critical IT equipment while delivering individual outlet level control and a comprehensive view of outlet level power usage via remote network access. Includes environmental monitoring capabilities to obtain real-time environmental metrics. With the Geist Upgradeable hot-swap technology, users may easily update the rPDU technology with the addition of the appropriate Interchangeable Monitoring Device (IMD) as business needs change.

### Benefits

- Remotely reboot outlets to power cycle unresponsive IT equipment or increase runtime of critical equipment upon power failure with outlet-level control.
- Reliable power distribution with local and remote outlet-level power monitoring options offer quick access to critical power usage information down to the device level 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.



## Part #: VP7N50A1

**Model Number:** MNU5MHB1-36PNB8-5CS15A0A10-S-A

**Category:** Switched

**Sub Category:** Outlet Level Monitoring

**Power Configuration:** 50A, 208V DELTA, 14.4kW

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

### Product Summary:

rPDU, Switched Outlet Level Monitoring EC, 50A, 208V Delta, 14.4kW, Vertical, (24) Locking IEC C13, (12) Locking IEC C19, 10ft / 3m power cord with 3P+E CA, Black Powder Coat.

### Monitoring:

Input and Outlet power monitoring with Outlet switching. Circuit/Breaker current monitoring. Environmental monitoring via optional remote sensors. Daisy chain Ethernet connectivity. Local high visibility LED display.

### Plug Form:



3P+E CA

### 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

- Daisy-chain up to 50 devices on a single IP address and reduce deployment time with self-configuration of downstream devices.

|                                                  |                                                                                                                                                                                                                                        |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Monitoring</b>                                | Input and Outlet power monitoring with Outlet switching. Circuit/Breaker current monitoring. Environmental monitoring via optional remote sensors. Daisy chain Ethernet connectivity. Local high visibility LED display.               |
| <b>Input Monitoring</b>                          | 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)<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>Remote Power Management</b>                   | Individual Outlet Switching with Optional User Defined Time Delays and Sequential Power-up                                                                                                                                             |
| <b>Quantity Of Inputs</b>                        | 1                                                                                                                                                                                                                                      |
| <b>Voltage</b>                                   | 200-240V Delta                                                                                                                                                                                                                         |
| <b>Current</b>                                   | 50A x 3 Phase DELTA                                                                                                                                                                                                                    |
| <b>VA per Input (Load Capacity)</b>              | 14.4kW (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>                                 | California Style 50A, 250V, 3P/4W Twistlock                                                                                                                                                                                            |
| <b>Combined Total Receptacle/Socket Quantity</b> | 36                                                                                                                                                                                                                                     |
| <b>Alternating Phase/Circuits</b>                | Yes                                                                                                                                                                                                                                    |
| <b>Receptacle/Socket Type #1</b>                 | U-Lock IEC C13                                                                                                                                                                                                                         |
| <b>- Quantity on Face</b>                        | 24                                                                                                                                                                                                                                     |
| <b>- Quantity per Breaker</b>                    | 4                                                                                                                                                                                                                                      |
| <b>- Quantity per Phase Combination</b>          | 8                                                                                                                                                                                                                                      |
| <b>- U-Lock Color ID</b>                         | 6 Circuit = Orange, Green, Blue, Light Orange, Light Green, Light Blue                                                                                                                                                                 |
| <b>- Style</b>                                   | Individual                                                                                                                                                                                                                             |
| <b>- Voltage per Receptacle/Socket</b>           | 208V                                                                                                                                                                                                                                   |
| <b>Receptacle/Socket Type #2</b>                 | U-Lock IEC C19                                                                                                                                                                                                                         |
| <b>- Quantity on Face</b>                        | 12                                                                                                                                                                                                                                     |
| <b>- Quantity per Breaker Pair</b>               | 2                                                                                                                                                                                                                                      |
| <b>- Quantity per Phase Combination</b>          | 4                                                                                                                                                                                                                                      |
| <b>- U-Lock Color ID</b>                         | 6 Circuit = Orange, Green, Blue, Light Orange, Light Green, Light Blue                                                                                                                                                                 |

|                                                              |                                                                                                                  |
|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>- Style</b>                                               | 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)                                                                                                  |