

## 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 #: VP7N5002

**Model Number:** MNU3EHW1-48CF18-5CS15A0A10-S-A

**Category:** Switched

**Sub Category:** Outlet Level Monitoring EC

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

**Physical Configuration:** 75in / 1905mm, Vertical

### Product Summary:

rPDU, Switched Outlet Level Monitoring EC, 50A, 208V Delta, 14.4kW, Vertical, (48) Combination C13/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.

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

Plug Form:



3P+E CA

Receptacle:



Combination C13/C19  
(Quantity: 48)

Chassis Color Options:



To discuss color options, contact your local sales representative.

Product Specification and Options

System Features

|                                       |                                                                                                                                                                                                                                        |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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.               |
| Input Monitoring                      | 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 |
| 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.                                                                                       |
| Remote Power Management               | Individual Outlet Switching with Optional User Defined Time Delays and Sequential Power-up                                                                                                                                             |
| Quantity Of Inputs                    | 1                                                                                                                                                                                                                                      |
| Voltage                               | 200-240V Delta                                                                                                                                                                                                                         |
| Current                               | 50A x 3 Phase DELTA                                                                                                                                                                                                                    |
| VA per Input (Load Capacity)          | 14.4kW (208V)                                                                                                                                                                                                                          |
| Frequency                             | 50/60Hz                                                                                                                                                                                                                                |
| Over Current Protection               | (6) 20A Double Pole Magnetic Breakers (5kAIC Rated)                                                                                                                                                                                    |
| Switch                                | Breaker/Switch Combination                                                                                                                                                                                                             |
| Scrolling / Rotatable Digital Display | Yes                                                                                                                                                                                                                                    |
| Indicators - LED(s)                   | 48                                                                                                                                                                                                                                     |
| Power Cable Wire Gauge                | 6/4                                                                                                                                                                                                                                    |
| Power Cable Length                    | 10ft / 3m                                                                                                                                                                                                                              |
| Power Entry Location                  | Bottom Front                                                                                                                                                                                                                           |
| Plug Type                             | California Style 50A, 250V, 3P/4W Twistlock                                                                                                                                                                                            |
| Alternating Phase/Circuits            | Yes                                                                                                                                                                                                                                    |
| Receptacle/Socket Type #1             | Combination C13/C19                                                                                                                                                                                                                    |

|                                                       |                                                                                                                  |
|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| - Quantity on Face                                    | 48                                                                                                               |
| - Quantity per Breaker                                | 8                                                                                                                |
| - Quantity per Phase Combination                      | 16                                                                                                               |
| - Circuit Color ID                                    | 6 Circuit = Orange, Green, Blue, Light Orange, Light Green, Light Blue                                           |
| - Style                                               | Banks of 6                                                                                                       |
| - Voltage per Receptacle/Socket                       | 208V                                                                                                             |
| 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                                         | Zero U                                                                                                           |
| 7938 Vertical Mounting Bracket Kit                    | Yes                                                                                                              |
| Toolless Mounting Hardware - Center to Center Spacing | 61.25in and 64.75in / 1556mm and 1645mm                                                                          |
| 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 (LxWxD)                            | 78in x 3.8in x 2.6in / 1982mm x 97mm x 66mm                                                                      |
| Shipped Weight                                        | 26lbs (11.79kg)                                                                                                  |