

OVERVIEW

Upgradeable Switched Unit Level Monitored rPDUs provide reliable power distribution to critical IT equipment while delivering individual outlet level control and a comprehensive view of input 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

- 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 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 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

Part #: VP5N50A4

Model Number: MNS5MHW1-48CF18-5CS15A0A10-S-A

Category: Switched

Sub Category: Unit Level Monitoring

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

Physical Configuration: 70in / 1778mm, Vertical

Product Summary:

rPDU, Switched Unit 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 power monitoring with Outlet switching. Circuit/Breaker current monitoring. Environmental monitoring via optional remote sensors. Daisy chain Ethernet connectivity. Local high visibility display.

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

deployment time with self-configuration of downstream devices.

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| Input Monitoring | Total Unit Monitoring (kWh, W, VA, PF) Phase (AB, BC, CA) Monitoring (kWh, W, VA, PF, V, A) Line (A, B, C) Monitoring (A) Power Measurements Compliant with ANSI C12.1 and IEC 62053-21 at 1% Accuracy Class Requirements |
| Circuit Monitoring | Circuit / Breaker Monitoring (A) Circuit/Breaker Current Measurements Independently Tested and Verified at 1% Accuracy |
| 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 |
| LCD Touchscreen Display / Auto Oriented | 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 |

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|---|--|
| 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 |
| Certification/Agency Approvals | UL & c-UL Listed 62368-1 |
| Certification/Agency Approvals | RoHS Compliant |
| Certification/Agency Approvals | FCC Part 15 Class A Conformance |
| Chassis Dimensions (LxWxD) | 70in x 3.7in x 2.6in / 1778mm x 94mm x 66mm |
| Shipped Weight | 26lbs (11.79kg) |