

## 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 #: VP5N30AT

**Model Number:** MNS5MHW1-48CF13-3PS56B0A10-S-A

**Category:** Switched

**Sub Category:** Unit Level Monitoring

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

**Physical Configuration:** 78in / 1982mm, Vertical

**Product Summary:** rPDU, Switched Unit Level Monitoring EC, 30A, 240/415V WYE, 17.2kW, Vertical, (48) Combination C13/C19, 10ft / 3m power cord with 3P+N+E (IP44), 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+N+E (IP44)

### Receptacle:



Combination C13/C19  
(Quantity: 48)

### Chassis Color Options:



To discuss color options, contact your local sales representative.

deployment time with self-configuration of downstream devices.

## Product Specification and Options

### System Features

|  |   |
|--|---|
| <b>Monitoring</b>                              | Input power monitoring with Outlet switching. Circuit/Breaker current monitoring. Environmental monitoring via optional remote sensors. Daisy chain Ethernet connectivity. Local high visibility display. |
| <b>Input Monitoring</b>                        | 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        |
| <b>Circuit Monitoring</b>                      | Circuit / Breaker Monitoring (A)<br><br>Circuit/Breaker Current Measurements Independently Tested and Verified at 1% Accuracy   |
| <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>                                 | 200-240/346-415V WYE  |
| <b>Current</b>                                 | 30A x 3 Phase WYE   |
| <b>VA per Input (Load Capacity)</b>            | 17.2kW (240V)   |
| <b>Frequency</b>                               | 50/60Hz   |
| <b>Over Current Protection</b>                 | (6) 20A Single Pole Magnetic Breakers (5kAIC Rated)   |
| <b>Switch</b>                                  | Breaker/Switch Combination  |
| <b>LCD Touchscreen Display / Auto Oriented</b> | Yes   |
| <b>Indicators - LED(s)</b>                     | 48  |
| <b>Power Cable Wire Gauge</b>                  | 10/5  |
| <b>Power Cable Length</b>                      | 10ft / 3m   |
| <b>Power Entry Location</b>                    | Bottom Front  |
| <b>Plug Type</b>                               | IEC60309 3P + N + E, 30A, Splashproof IP44  |
| <b>Alternating Phase/Circuits</b>              | Yes   |
| <b>Receptacle/Socket Type #1</b>               | Combination C13/C19   |
| <b>- Quantity on Face</b>                      | 48  |
| <b>- Quantity per Breaker</b>                  | 8   |
| <b>- Quantity per Phase</b>                    | 16  |
| <b>- Circuit Color ID</b>                      | 6 Circuit = Orange, Green, Blue, Light Orange, Light Green, Light Blue  |
| <b>- Style</b>                                 | Banks of 6  |
| <b>- Voltage per Receptacle/Socket</b>         | 240V (L-N)  |
| <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   |

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|--|--|
| <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>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                                |
| <b>Certification/Agency Approvals</b>                        | UL & c-UL Listed 62368-1                               |
| <b>Certification/Agency Approvals</b>                        | RoHS Compliant   |
| <b>Certification/Agency Approvals</b>                        | FCC Part 15 Class A Conformance                        |
| <b>Chassis Dimensions (LxWxD)</b>                            | 78in x 3.8in x 2.6in / 1982mm x 97mm x 66mm            |
| <b>Shipped Weight</b>  | 22lbs (9.98kg)   |