

## OVERVIEW

Upgradeable Unit Level Monitored rPDUs provide reliable power distribution to critical IT equipment while delivering a comprehensive view of input 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 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.
- Every unit is 100% tested for reliability and functionality.
- Daisy-chain up to 50 devices on a single IP address and reduce deployment time with self-configuration of downstream devices.



## Part #: VP4N31A6

**Model Number:** PMN05MZ31-12SD43-3TL22A0H10-S

**Category:** Monitored

**Sub Category:** Unit Level

**Power Configuration:** 30A, 277/480V WYE, 19.9kW

**Physical Configuration:** 19in / 483mm, Horizontal

### Product Summary:

rPDU, Monitored Unit Level, 30A, 277/480V WYE, 19.9kW, Horizontal, (12) Anderson 2005N4 Keyed SAF-D Grid Connectors, 10 ft power cord with NEMA L22-30P, Black Powder Coat.

### Monitoring:

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

### Plug Form:



L22-30P

### Receptacle:



SAF-D GRID  
(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 per Phase power monitoring with 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) Phase (A, B, C) Monitoring (kWh, W, VA, PF, V, A)  Power Measurements Compliant with ANSI C12.1 and IEC 62053-21 at 1% Accuracy Class Requirements
<b>Circuit Monitoring</b>	Circuit / Breaker Monitoring (A)  Circuit/Breaker Current Measurements Independently Tested and Verified at 1% Accuracy
<b>Quantity Of Inputs</b>	1
<b>Voltage</b>	277/480V WYE
<b>Current</b>	30A x 3 Phase WYE
<b>VA per Input (Load Capacity)</b>	19.9kW (277V)
<b>Frequency</b>	50/60Hz
<b>Over Current Protection</b>	(6) 20A Single Pole Magnetic Breakers (10kAIC Rated)
<b>Switch</b>	Breaker/Switch Combination
<b>LCD Touchscreen Display / Auto Oriented</b>	Yes
<b>Power Cable Wire Gauge</b>	10/5
<b>Power Cable Length</b>	10ft / 3m
<b>Power Entry Location</b>	Rear
<b>Plug Type</b>	NEMA L22-30P Twistlock
<b>Receptacle/Socket Type #1</b>	Anderson SAF-D Grid Connector 2005N4 Keyed
<b>- Quantity on Face</b>	12
<b>- Quantity per Breaker</b>	2
<b>- Quantity per Phase</b>	4
<b>- Circuit Color ID</b>	6 Circuit = Orange, Light Orange, Green, Light Green, Blue, Light Blue
<b>- Style</b>	Individual
<b>- Voltage per Receptacle/Socket</b>	277V (L-N)
<b>Internal RMS Voltage Sensor</b>	Yes
<b>Internal RMS Current Sensor</b>	Yes
<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>	1U
<b>Adjustable Mount Brackets</b>	Yes
<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>	RoHS Compliant
<b>Certification/Agency Approvals</b>	ETL & c-ETL Listed to UL 62368-1
<b>Certification/Agency Approvals</b>	FCC Part 15 Class A Conformance
<b>Chassis Dimensions (HxWxD)</b>	1.72in x 17in x 12in / 44mm x 432mm x 305mm
<b>Shipping Weight</b>	30 lbs (13.6 kg)