

OVERVIEW

Upgradeable Switched Unit Level Monitored EC 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 realtime 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 #: VP5N30A0

Model Number: MNS5MGB1-24PH68-3TL21A0A10-S-A

Category: Switched

Sub Category: Unit Level Monitoring

Power Configuration: 30A, 120/208V WYE, 8.6kW Physical Configuration: 66in / 1683mm, Vertical

Product Summary:

rPDU, Switched Unit Level Monitoring EC, 30A, 120/208V WYE, 8.6kW, Vertical, (18) Locking IEC C13, (6) Locking IEC C19, 10ft / 3m power cord with L21-30P, 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:

Receptacle:









Locking IEC C13 (Quantity: 18)

Locking IEC C19 (Quantity: 6)

Chassis Color Options:



To discuss color options, contact your local sales representative.

Product Specification and Options

System Features

deployment time with selfconfiguration of downstream devices.

current monitoring. Environmental monitoring via optional remote sensors. Daisy chain Ethernet connectivity. Local high visibility display. Total Unit Monitoring (KWh, W, VA, PE) Phase (A, B, C) Monitoring (KWh, W, VA, PE) Phase (A, B, C) Monitoring (KWh, W, VA, PE) Phase (A, B, C) Monitoring (KWh, W, VA, PE), V, A) Power Measurements Compiliant with ANSI C12.1 and IEC 62053 21 at 1% Accuracy Class Requirements Circuit Menitoring Circuit/Breaker Current Measurements Independently Tested and Verified at 2% Accuracy and Verified at 2% Accuracy Remote Power Management Individual Outlet Switching with Optional User Defined Time Delays and Sequential Power-up Quantity Of Inputs 1 Quantity Of Inputs 1 Quantity Of Inputs 1 Quantity Of Inputs 10 Quantity Of Input (Load Capacity) 8.6kW (208V) Frequency 50/60Hz Querent Protection (3) 20A Double Pole Magnetic Breakers (EkAIC Rated) Breaker/Switch Combination LCD Touchscreen Display / Auto Oriented Yes Individual 10ft / 3m Power Cable Length 10ft / 3m Power Entry Location Bottom Front Plug Type NEMA L21-30P Twistlock Combined Total Receptacle/Socket Quantity 4 Alternating Phase/Circuits Yes Receptacle/Socket Type #1 U-Lock IEC C13 -Quantity on Face 6 Quantity on Face 7 Quantity on Face 9 Quantity on Face 10 10 3 Circuit = Orange, Green, Blue Individual Voltage per Receptacle/Socket 208V Receptacle/Socket Type #2 U-Lock IEC C19 Quantity on Face 10 Quantit		
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and Verified at 2% Accuracy Individual Outlet Switching with Optional User Defined Time Delays and Sequential Power-up Quantity Of Inputs 1 Voltage 100-120/200-240V WYE Current 30A x 3 Phase WYE VA per Input (Load Capacity) 8.8kW (208V) Frequency 50/60Hz Over Current Protection (3) 20A Double Pole Magnetic Breakers (5kAIC Rated) Switch Breaker/Switch Combination LCD Touchscreen Display / Auto Oriented Yes Indicators - LED(s) 24 Power Cable Wire Gauge 10/5 Power Cable Length 10ft / 3m Power Entry Location Bottom Front Plug Type NEMA L21-30P Twistlock Combined Total Receptacle/Socket Quantity 4Alternating Phase/Circuits Yes Receptacle/Socket Type #1 U-Lock IEC C13 - Quantity per Breaker and Phase Combination 6 -U-Lock Color ID 3 Circuit = Orange, Green, Blue Individual -Voltage per Receptacle/Socket 208V Receptacle/Socket Type #2 U-Lock IEC C19 - Quantity per Breaker and Phase Combination 2 - U-Lock Color ID 3 Circuit = Orange, Green, Blue Individual - Voltage per Receptacle/Socket 108 - Quantity per Breaker and Phase Combination 2 - U-Lock Color ID 3 Circuit = Orange, Green, Blue Individual - Voltage per Receptacle/Socket 108 - Quantity per Breaker and Phase Combination 2 - U-Lock Color ID 3 Circuit = Orange, Green, Blue Individual - Voltage per Receptacle/Socket 108 - Voltage per Receptacle/Socket 109 - Voltage per Receptacle/Socket 109 - Voltage per Receptacle/Socket 100 - Voltage per Receptacle/Soc	Circuit Monitoring	Circuit / Breaker Monitoring (A)
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Power Cable Wire Gauge 10/5 Power Cable Length 10ft / 3m Bottom Front NEMA L21-30P Twistlock Combined Total Receptacle/Socket Quantity 24 Alternating Phase/Circuits Yes Receptacle/Socket Type #1 U-Lock IEC C13 -Quantity on Face 18 -Quantity per Breaker and Phase Combination -U-Lock Color ID 3 Circuit = Orange, Green, Blue Individual -Voltage per Receptacle/Socket Quantity on Face 6 -Quantity on Face 6 -Quantity on Face 18 -Quantity on Face 18 -Quantity on Face 19 -Quantity on Face 19 -Quantity on Face 10 -Quantity	LCD Touchscreen Display / Auto Oriented	Yes
Power Cable Length 10ft / 3m Power Entry Location Bottom Front NEMA L21-30P Twistlock Combined Total Receptacle/Socket Quantity 24 Alternating Phase/Circuits Yes Receptacle/Socket Type #1 U-Lock IEC C13 - Quantity on Face 18 - Quantity per Breaker and Phase Combination 6 - U-Lock Color ID 3 Circuit = Orange, Green, Blue - Style Individual - Voltage per Receptacle/Socket 208V Receptacle/Socket Type #2 U-Lock Color ID 3 Circuit = Orange, Green, Blue - Quantity on Face 6 - Quantity on Face 6 - Quantity on Face 18 - U-Lock IEC C19 - Quantity on Face 19 - Quantity on Face 10 - U-Lock Color ID 3 Circuit = Orange, Green, Blue - Voltage per Receptacle/Socket 10 - U-Lock Color ID 3 Circuit = Orange, Green, Blue - U-Lock Color ID 3 Circuit = Orange, Green, Blue - U-Lock Color ID 3 Circuit = Orange, Green, Blue - U-Lock Color ID 3 Circuit = Orange, Green, Blue - U-Lock Color ID 1 Didividual - 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 TCF	ndicators - LED(s)	24
Power Entry Location Bottom Front NEMA L21-30P Twistlock Combined Total Receptacle/Socket Quantity 24 Alternating Phase/Circuits Yes Receptacle/Socket Type #1 U-Lock IEC C13 - Quantity on Face 18 - Quantity per Breaker and Phase Combination 6 - U-Lock Color ID 3 Circuit = Orange, Green, Blue - Voltage per Receptacle/Socket 208V Receptacle/Socket Type #2 U-Lock IEC C19 - Quantity on Face 6 - Quantity on Face 6 - Quantity per Breaker and Phase Combination 2 - U-Lock Color ID 3 Circuit = Orange, Green, Blue - Voltage per Receptacle/Socket 208V Receptacle/Socket Type #2 U-Lock IEC C19 - Quantity on Face 6 - Quantity per Breaker and Phase Combination 2 - U-Lock Color ID 3 Circuit = Orange, Green, Blue - 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 TCF	Power Cable Wire Gauge	10/5
Plug Type NEMA L21-30P Twistlock Combined Total Receptacle/Socket Quantity 24 Alternating Phase/Circuits Yes Receptacle/Socket Type #1 U-Lock IEC C13 - Quantity on Face 18 - Quantity per Breaker and Phase Combination 6 - U-Lock Color ID 3 Circuit = Orange, Green, Blue - Style Individual - Voltage per Receptacle/Socket 208V Receptacle/Socket Type #2 U-Lock IEC C19 - Quantity on Face 6 - Quantity per Breaker and Phase Combination 2 - U-Lock Color ID 3 Circuit = Orange, Green, Blue - Individual - U-Lock Color ID 3 Circuit = Orange, Green, Blue - Ouantity per Breaker and Phase Combination 2 - U-Lock Color ID 3 Circuit = Orange, Green, Blue - Style Individual - 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 TCF	Power Cable Length	10ft / 3m
Combined Total Receptacle/Socket Quantity Alternating Phase/Circuits Yes Receptacle/Socket Type #1 U-Lock IEC C13 - Quantity on Face 18 - Quantity per Breaker and Phase Combination - U-Lock Color ID 3 Circuit = Orange, Green, Blue - Voltage per Receptacle/Socket 208V Receptacle/Socket Type #2 U-Lock IEC C19 - Quantity on Face 6 - Quantity per Breaker and Phase Combination 2 - U-Lock Color ID 3 Circuit = Orange, Green, Blue - Voltage per Receptacle/Socket 10 10 11 11 12 13 14 15 16 17 18 18 18 18 18 18 18 18 18	Power Entry Location	Bottom Front
Alternating Phase/Circuits Receptacle/Socket Type #1 U-Lock IEC C13 - Quantity on Face 18 - Quantity per Breaker and Phase Combination - U-Lock Color ID 3 Circuit = Orange, Green, Blue - Style Individual - Voltage per Receptacle/Socket 208V Receptacle/Socket Type #2 U-Lock IEC C19 - Quantity on Face 6 - Quantity per Breaker and Phase Combination 2 - U-Lock Color ID 3 Circuit = Orange, Green, Blue - Voltage per Receptacle/Socket 10 11 12 13 14 15 16 16 17 17 18 18 18 18 18 18 18 18	Plug Type	NEMA L21-30P Twistlock
Receptacle/Socket Type #1 U-Lock IEC C13 Quantity on Face 18 Quantity per Breaker and Phase Combination U-Lock Color ID 3 Circuit = Orange, Green, Blue Style Individual Voltage per Receptacle/Socket 208V Receptacle/Socket Type #2 U-Lock IEC C19 Quantity on Face Quantity on Face Guantity per Breaker and Phase Combination 2 U-Lock Color ID 3 Circuit = Orange, Green, Blue Style Individual 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 TCF	Combined Total Receptacle/Socket Quantity	24
- Quantity on Face 18 - Quantity per Breaker and Phase Combination 6 - U-Lock Color ID 3 Circuit = Orange, Green, Blue - Style Individual - Voltage per Receptacle/Socket 208V Receptacle/Socket Type #2 U-Lock IEC C19 - Quantity on Face 6 - Quantity per Breaker and Phase Combination 2 - U-Lock Color ID 3 Circuit = Orange, Green, Blue - Style Individual - 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 TCF	Alternating Phase/Circuits	Yes
- Quantity per Breaker and Phase Combination - U-Lock Color ID 3 Circuit = Orange, Green, Blue - Style Individual - Voltage per Receptacle/Socket 208V Receptacle/Socket Type #2 U-Lock IEC C19 - Quantity on Face 6 - Quantity per Breaker and Phase Combination 2 - U-Lock Color ID 3 Circuit = Orange, Green, Blue - Style Individual - 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 TCF	Receptacle/Socket Type #1	U-Lock IEC C13
- U-Lock Color ID 3 Circuit = Orange, Green, Blue - Style Individual - Voltage per Receptacle/Socket 208V Receptacle/Socket Type #2 U-Lock IEC C19 - Quantity on Face 6 - Quantity per Breaker and Phase Combination 2 - U-Lock Color ID 3 Circuit = Orange, Green, Blue - Style Individual - 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 TCF	- Quantity on Face	18
- Style Individual - Voltage per Receptacle/Socket 208V Receptacle/Socket Type #2 U-Lock IEC C19 - Quantity on Face 6 - Quantity per Breaker and Phase Combination 2 - U-Lock Color ID 3 Circuit = Orange, Green, Blue - Style Individual - 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 TCF	- Quantity per Breaker and Phase Combination	6
- Voltage per Receptacle/Socket 208V Receptacle/Socket Type #2 U-Lock IEC C19 - Quantity on Face 6 - Quantity per Breaker and Phase Combination 2 - U-Lock Color ID 3 Circuit = Orange, Green, Blue - Style Individual - 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 TCF	- U-Lock Color ID	3 Circuit = Orange, Green, Blue
Receptacle/Socket Type #2 - Quantity on Face 6 - Quantity per Breaker and Phase Combination 2 - U-Lock Color ID 3 Circuit = Orange, Green, Blue - Style Individual - 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 TCF	- Style	Individual
- Quantity on Face 6 - Quantity per Breaker and Phase Combination 2 - U-Lock Color ID 3 Circuit = Orange, Green, Blue - Style Individual - 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 TCF	- Voltage per Receptacle/Socket	208V
- Quantity per Breaker and Phase Combination 2 - U-Lock Color ID 3 Circuit = Orange, Green, Blue - Style Individual - 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 TCF	Receptacle/Socket Type #2	U-Lock IEC C19
- U-Lock Color ID 3 Circuit = Orange, Green, Blue Individual - 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 TCF	- Quantity on Face	6
- Style Individual - 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 TCF	- Quantity per Breaker and Phase Combination	2
- 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 TCF	- U-Lock Color ID	3 Circuit = Orange, Green, Blue
Network Connection Dual 10/100/1000Mbps Ethernet DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCF	- Style	Individual
Protocols Supported DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCF	- Voltage per Receptacle/Socket	208V
SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCF	Network Connection	Dual 10/100/1000Mbps Ethernet
Data Access Formats CSV datalog, JSON API, JSON datalog	Protocols Supported	
	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	UL & c-UL Listed 62368-1
Certification/Agency Approvals	RoHS Compliant
Certification/Agency Approvals	FCC Part 15 Class A Conformance
Chassis Dimensions (LxWxD)	66.25in x 2in x 2.6in / 1683mm x 51mm x 66mm
Shipped Weight	22lbs (9.98kg)