

### **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 realtime 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 #: VP7N30A9

Model Number: MNU5MGW1-36PNB8-3TL15A0A10-S-A

Category: Switched

Sub Category: Outlet Level Monitoring

Power Configuration: 30A, 208V DELTA, 8.6kW Physical Configuration: 72in / 1829mm, Vertical

**Product Summary:** 

rPDU, Switched Outlet Level Monitoring EC, 30A, 208V Delta, 8.6kW, Vertical, (24) Locking IEC C13, (12) Locking IEC C19, 10ft / 3m power cord with L15-30P, 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 display.

# **Plug Form:**

### Receptacle:



L15-30P





Locking IEC C13 (Quantity: 24)



Locking IEC C19 (Quantity: 12)

### **Chassis Color Options:**



To discuss color options, contact your local sales representative.

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

### **Product Specification and Options**

#### **System Features**

Monitoring Input and Outlet power monitoring with Outlet switching. Circul/Breaker current monitoring. Environmental monitoring of Circul/Breaker current monitoring. Environmental monitoring of Local high visibility display.  Input Monitoring Phase (AB, BC, CA) Monitoring (WN, W, VA, PF) Phase (AB, BC, CA) Monitoring (WN, W, VA, PF, V, A) Line (A, B, C) Monitoring (WN, W, VA, PF, V, A) Line (A, B, C) Monitoring (WN, W, VA, PF, V, A) Line (AB, C) Monitoring (WN, W, VA, PF, V, A) Power Measurements Compliant with ANSI C12.1 and IEC 62053- 21 at T%, Accuracy Class Requirements Circult Monitoring (WN, W, VA, PF, V, A) Power Measurements Compliant with ANSI C12.1 and IEC 62053- 21 at T%, Accuracy Class Requirements.  Remote Power Management Circult Monitoring (WN, W, VA, PF, V, A) Power Measurements Compliant with ANSI C12.1 and IEC 62053- 21 at T%, Accuracy Class Requirements.  Remote Power Management Individual Outlet Switching with Optional User Defined Time Delays and Sequential Power-up  Quantity Of Inputs 1  Voltage 200-240 V Delta  Current 30 A x 3 Phase DELTA  VA per Input (Load Capacity) 8.8KW (208V) Frequency 50/60Hz  Over Current Protection (3) 20 A Double Pole Magnetic Breakers (10kAIC Rated)  Switch Breaker/Switch Combination  LCD Touchscreen Display / Auto Oriented Yes Indicators - LED(s) 36  Power Cable Length 10/1 / 3m  Power Entry Location Bottom Front  Plug Type NEMA L15-30P Twistlock  Combined Total Recoptacle/Socket Quantity Yes  Receptacle/Socket Type #1 U-Lock IEC C13  - Quantity per Breaker and Phase Combination  8  - 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 5 Circuit = Orange, Green, Blue	System reatures	
Phase (AB, BC, CA) Monitoring (&Wh, 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 Current Measurements Independently Tested and Verified at 2% Accuracy  Outlet Monitoring Outlet Monitoring (AWh, W, VA, PF, V, A) 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 30 A X 3 Phase DELTA  VA per Input (Load Capacity) 8.6kW (208V) Frequency 50/60H2 Over Current Protection (3) 20A Double Pole Magnetic Breakers (10kAIC Rated)  Switch Breaker/Switch Combination  LCD Touchscreen Display / Auto Oriented Yes Indicators - LED(s) 38 Power Cable Wire Gauge 10/4 Power Cable Wire Gauge 10/4 Power Cable Length 10ft / 3m Power Entry Location Bottom Front Plug Type NEMA L15-30P Twistlock Combined Total Receptacle/Socket Quantity 36 Alternating Phase/Circuits Yes Receptacle/Socket Type #1 U-Lock IEC C13 - Quantity per Breaker and Phase Combination  8 - U-Lock IEC C13 - Quantity per Breaker and Phase Combination  8 - U-Lock IEC C19 - Quantity on Face 12 - Quantity on Face 12 - Quantity on Face 12	Monitoring	Circuit/Breaker current monitoring. Environmental monitoring via optional remote sensors. Daisy chain Ethernet connectivity.
Circuit Monitoring Circuit / Breaker Monitoring (A) Circuit/Breaker Current Measurements Independently Tested and Verified at 2% Accuracy Outlet Monitoring Outlet Monitoring (Wh, W, VA, PF, V, A) 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 30 A x 3 Phase DELTA  VA per Input (Load Capacity) 8.6kW (208V) Frequency 50/60Hz Over Current Protection (3) 20A Double Pole Magnetic Breakers (10kAIC Rated) Switch Breaker/Switch Combination LCD Touchscreen Display / Auto Oriented Yes Indicators - LED(s) 36 Power Cable Wire Gauge 10/4 Power Cable Length 10/ft / 3m Power Entry Location Bottom Front Plug Type NEMA L15-30P Twistlock Combined Total Receptacle/Socket Quantity 36 Alternating Phase/Circuits Yes Receptacle/Socket Type #1 - Quantity on Face - Quantity per Breaker and Phase Combination - Scrult = Orange, Green, Blue - U-Lock Color ID - Style - Individual - Voltage per Receptacle/Socket 208V Receptacle/Socket Type #2 - Quantity on Face - Quantity per Breaker and Phase Combination 4	Input Monitoring	Phase (AB, BC, CA) Monitoring (kWh, W, VA, PF, V, A)
Circuit/Breaker Current Measurements Independently Tested and Verified at 2% Accuracy  Outlet Monitoring  Outlet Monitoring (kWh, W, VA, PF, V, A)  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  30A x 3 Phase DELTA  WA per Input (Load Capacity)  8.6kW (208V)  Frequency  50/60Hz  Over Current Protection  (3) 20A Double Pole Magnetic Breakers (10kAIC Rated)  Switch  Breaker/Switch Combination  LCD Touchscreen Display / Auto Oriented  Yes  Indicators - LED(s)  36  Power Cable Wire Gauge  10/4  Power Cable Wire Gauge  10/4  Power Entry Location  Bottom Front  Plug Type  NEMA L15-30P Twistlock  Combined Total Receptacle/Socket Quantity  36  Alternating Phase/Circuits  Yes  Receptacle/Socket Type #1  - U-Lock IEC C13  - Quantity on Face  24  - Quantity per Breaker and Phase Combination  8  - U-Lock Color ID  3 Circuit = Orange, Green, Blue  - Style  - Undot IEC C19  - Quantity on Face  12  - Quantity per Breaker and Phase Combination  4		
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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 30A x 3 Phase DELTA  VA per Input (Load Capacity) 8.6kW (208V)  Frequency 50/60Hz  Over Current Protection (3) 20A Double Pole Magnetic Breakers (10kAIC Rated)  Switch Breaker/Switch Combination  LCD Touchscreen Display / Auto Oriented Yes  Indicators - LED(s) 36  Power Cable Wire Gauge 10/4  Power Entry Location Bottom Front  Plug Type NEMA L15-30P Twistlock  Combined Total Receptacle/Socket Quantity 36  Alternating Phase/Circuits Yes  Receptacle/Socket Type #1 U-Lock IEC C13  - Quantity on Face 24  - Quantity on Face 12  - U-Lock Color ID 3 Circuit = Orange, Green, Blue  - Style Individual  - Voltage per Receptacle/Socket Type #2  - Quantity on Face 12		
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Over Current Protection (3) 20A Double Pole Magnetic Breakers (10kAIC Rated)  Switch Breaker/Switch Combination  LCD Touchscreen Display / Auto Oriented Yes  Indicators - LED(s) 36  Power Cable Wire Gauge 10/4  Power Cable Length 10ft / 3m  Power Entry Location Bottom Front  Plug Type NEMA L15-30P Twistlock  Combined Total Receptacle/Socket Quantity 36  Alternating Phase/Circuits Yes  Receptacle/Socket Type #1 U-Lock IEC C13  - Quantity on Face 24  - Quantity per Breaker and Phase Combination 8  - 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 12	VA per Input (Load Capacity)	8.6kW (208V)
Switch Breaker/Switch Combination  LCD Touchscreen Display / Auto Oriented Yes  Indicators - LED(s) 36  Power Cable Wire Gauge 10/4  Power Cable Length 10ft / 3m  Power Entry Location Bottom Front  Plug Type NEMA L15-30P Twistlock  Combined Total Receptacle/Socket Quantity 36  Alternating Phase/Circuits Yes  Receptacle/Socket Type #1 U-Lock IEC C13  - Quantity on Face 24  - Quantity per Breaker and Phase Combination 8  - 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 12	Frequency	50/60Hz
Indicators - LED(s)  36  Power Cable Wire Gauge  10/4  Power Cable Length  10ft / 3m  Power Entry Location  Plug Type  NEMA L15-30P Twistlock  Combined Total Receptacle/Socket Quantity  36  Alternating Phase/Circuits  Yes  Receptacle/Socket Type #1  - Quantity on Face  - Quantity per Breaker and Phase Combination  - U-Lock Color ID  - Style  Individual  - Voltage per Receptacle/Socket Type #2  - Quantity on Face  12	Over Current Protection	(3) 20A Double Pole Magnetic Breakers (10kAIC Rated)
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Power Cable Wire Gauge 10/4  Power Cable Length 10ft / 3m  Power Entry Location Bottom Front  Plug Type NEMA L15-30P Twistlock  Combined Total Receptacle/Socket Quantity 36  Alternating Phase/Circuits Yes  Receptacle/Socket Type #1 U-Lock IEC C13  - Quantity on Face 24  - Quantity per Breaker and Phase Combination 8  - 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 12  - Quantity on Face 12  - Quantity on Face 12	LCD Touchscreen Display / Auto Oriented	Yes
Power Cable Length  10ft / 3m  Power Entry Location  Bottom Front  Plug Type  NEMA L15-30P Twistlock  Combined Total Receptacle/Socket Quantity  36  Alternating Phase/Circuits  Yes  Receptacle/Socket Type #1  U-Lock IEC C13  - Quantity on Face  24  - Quantity per Breaker and Phase Combination  8  - 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  12  - Quantity per Breaker and Phase Combination  4	Indicators - LED(s)	36
Power Entry Location  Bottom Front  NEMA L15-30P Twistlock  Combined Total Receptacle/Socket Quantity  36  Alternating Phase/Circuits  Yes  Receptacle/Socket Type #1  -Quantity on Face  24  -Quantity per Breaker and Phase Combination  8  -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  12  -Quantity per Breaker and Phase Combination  4	Power Cable Wire Gauge	10/4
Plug Type  NEMA L15-30P Twistlock  Combined Total Receptacle/Socket Quantity  36  Alternating Phase/Circuits  Yes  Receptacle/Socket Type #1  - Quantity on Face  - Quantity per Breaker and Phase Combination  - U-Lock Color ID  3 Circuit = Orange, Green, Blue  - Voltage per Receptacle/Socket  1 208V  Receptacle/Socket Type #2  - Quantity on Face  12  - Quantity per Breaker and Phase Combination  4	Power Cable Length	10ft / 3m
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Alternating Phase/Circuits  Receptacle/Socket Type #1  - Quantity on Face  - Quantity per Breaker and Phase Combination  - U-Lock Color ID  - Style  - Undividual  - Voltage per Receptacle/Socket  Receptacle/Socket Type #2  - Quantity on Face  12  - Quantity per Breaker and Phase Combination  4	Plug Type	NEMA L15-30P Twistlock
Receptacle/Socket Type #1  - Quantity on Face  - Quantity per Breaker and Phase Combination  - U-Lock Color ID  - Style  - Individual  - Voltage per Receptacle/Socket  Receptacle/Socket Type #2  - Quantity on Face  12  - Quantity per Breaker and Phase Combination  4	Combined Total Receptacle/Socket Quantity	36
- Quantity on Face 24  - Quantity per Breaker and Phase Combination 8  - 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 12  - Quantity per Breaker and Phase Combination 4	Alternating Phase/Circuits	Yes
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- U-Lock Color ID  - Style  Individual  - Voltage per Receptacle/Socket  Receptacle/Socket Type #2  - Quantity on Face  12  - Quantity per Breaker and Phase Combination  3 Circuit = Orange, Green, Blue  Individual  208V  208V  12  - Quantity per Breaker and Phase Combination  4	- Quantity on Face	24
- Style Individual  - Voltage per Receptacle/Socket 208V  Receptacle/Socket Type #2 U-Lock IEC C19  - Quantity on Face 12  - Quantity per Breaker and Phase Combination 4	- Quantity per Breaker and Phase Combination	8
- Voltage per Receptacle/Socket 208V  Receptacle/Socket Type #2 U-Lock IEC C19  - Quantity on Face 12  - Quantity per Breaker and Phase Combination 4	- U-Lock Color ID	3 Circuit = Orange, Green, Blue
Receptacle/Socket Type #2  - Quantity on Face  12  - Quantity per Breaker and Phase Combination  4	- Style	Individual
- Quantity on Face 12 - Quantity per Breaker and Phase Combination 4	- Voltage per Receptacle/Socket	208V
- Quantity per Breaker and Phase Combination 4	Receptacle/Socket Type #2	U-Lock IEC C19
	- Quantity on Face	12
- U-Lock Color ID 3 Circuit = Orange, Green, Blue	- Quantity per Breaker and Phase Combination	4
	- 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 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	UL & c-UL Listed 62368-1
Certification/Agency Approvals	RoHS Compliant
Certification/Agency Approvals	FCC Part 15 Class A Conformance
Chassis Dimensions (LxWxD)	72in x 2in x 2.6in / 1829mm x 51mm x 66mm
Doghouse (D)	1.4in / 36mm
Shipped Weight	22lbs (9.98kg)