

# **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 #: VP8930

Model Number: MNS3EGB0-24S203-2TL5A0A10-S

Category: Switched

Sub Category: Unit Level Monitoring
Power Configuration: 20A, 120V, 1.9kW

Physical Configuration: 66in / 1683mm, Vertical

Product Summary: rPDU, Switched Unit Level Monitoring EC, 20A, 120V, 1.9kW, Vertical, (24) NEMA 5-

20R, 10ft / 3m power cord with L5-20P, Black Powder Coat.

Monitoring: Input power monitoring with Outlet switching. Environmental monitoring via optional

 $remote \ sensors. \ Daisy \ chain \ Ethernet \ connectivity. \ Local \ high \ visibility \ LED \ display.$ 

#### Plug Form: Receptacle:



L5-20P





NEMA 5-20R (Quantity: 24)

#### **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.

monitoring via optional remote sensors. Daisy chain Ethernet connectivity. Local high visibility LED display.  Input Monitoring Phase (A) Monitoring (KWh, W, VA, PF, V, A)  Power Measurements Compliant with ANSI C12.1 and IEC 62053- 21 at 1% Accuracy Class Requirements  Individual Outlet Switching with Optional User Defined Time Delays and Sequential Power-up  Quantity Of Inputs 1  Voltage 100-120V  Current 20A  Va Per Input (Load Capacity) 1.9kW (120V)  Frequency 50/660Hz  Over Current Protection None  Switch No  Scrolling / Rotatable Digital Display Yes  Indicators - LEDCo) 24  Power Cable Wire Gauge 12/3  Power Cable Wire Gauge 12/3  Power Cable Length 10ft / 3m  Power Entry Location Bottom Front  Plug Type NEMA L5-20P Twistlock  Receptacle/Socket Type #1 NEMA 5-20R  - Quantity on Face 24  - Style Individual  - Voltage per Receptacle/Socket 120V  Network Connection Dual 10/100/1000Mbps Ethernet  Protocols Supported Differ New Yes  But Access Formats CSV datalog, JSON API, JSON datalog  USB Support Yes  Per Reset Button Yes  Berial Connection R5232 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  73838 Vertical Mounting Bracket Kit Yes  Toolless Mounting Bracket Kit Yes  Toolless Mounting Hardware - Center to Center Spacing  Country of Origin USA, TAA Compliant and Buy American Act COTS Compliant  Product Warranty Dervotals Certification/Agency Approvals		
Power Measurements Compliant with ANSI C12.1 and IEC 62083- 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 100-120V  Current 20A VA per Input (Load Capacity) 1.9kW (120V) Frequency 50/60Hz  Over Current Protection None Swritch No Scrolling / Rotatable Digital Display Yes Indicators - LED(a) 24 Power Cable Wire Gauge 12/3 Power Cable Length 10ft / 3m Power Entry Location Bottom Front Plug Type NEMA 15-20P Twistlock Receptacle/Socket Type #1 NEMA 5-20R - Quantity on Face 24 - Style Individual - Voltage per Receptacle/Socket 120V Network Connection Dual 10/100/1000Mbps Ethernet Proteools Supported DHCP, HTTP, HTTP, SI, Ply, I.Pol, LDAP, NTP, RADIUS, RSTP, SKH, SMTP, SMMP (VI/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 Serial 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 5Spacing Country of Origin USA, TAA Compilant and Buy American Act COTS Compilant Product Warranty Froduct War	Monitoring	monitoring via optional remote sensors. Daisy chain Ethernet
Remote Power Management Individual Outlet Switching with Optional User Defined Time Delays and Sequential Power-up Guantity Of Inputs 1 Voltage 100-120V Current 20A VA per Input CLoad Capacity) 1.9kW (120V) Frequency 50/60Hz Over Current Protection None Switch No Scrolling / Rotatable Digital Display Yes Indicators - LED(s) 24 Power Cable Wire Gauge 12/3 Power Cable Wire Gauge 12/3 Power Cable Length 10ft / 3m Power Entry Location Bottom Front Plug Type NEMA L5-20P Twistlock Receptacle/Socket Type #1 NEMA 5-20R - Quantity on Face 24 - Style Individual - Voltage per Receptacle/Socket 120V Network Connection Dual 10/100/1000Mbps Ethernet Protocols Supported DHCP, HTTP, HTTPS, IPV4, IPV6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (VIV2C/V3), Sysleg, TACACS+, Modbus TCP Data Access Formats CSV datalog, JSON API, JSON datalog USB Support Yes IP Reast Button Yes Hard Reboot Button Yes Remote Sensor RJ Connection Jacks I (Supports up to 16 Sensors) Maximum Operating Temperature 60 C/ 140F Heavy Steel - Powder Coat Finish Black Configuration Zero U 7938 Vertical Mounting Bracket Kit Yes Toolless Mounting Hardware - Center to Center Spacing Country of Origin USA, TAA Compliant and Buy American Act COTS Compliant Product Warranty   S-year limited warranty if registered within 120 days of purchase, otherwise warranty defaults to 3 years Certification/Agency Approvals	Input Monitoring	Phase (A) Monitoring (kWh, W, VA, PF, V, A)
Delays and Sequential Power-up  Quantity Of Inputs  100-120V  Current 20A  YA per Input (Load Capacity) 19kW (120V) Frequency 50/60Hz  Over Current Protection None  Switch No Scrolling / Rotatable Digital Display Yes Indicators - LED(s) 24  Power Cable Wire Gauge 12/3 Power Cable Length 10ft / 3m  Power Entry Location Bottom Front Plug Type NEMA L5-20P Twistlock Receptacle/Socket Type #1 NEMA 5-20R  -Quantity on Face 24 -Style -Individual -Voltage per Receptacle/Socket 120V Network Connection Dual 10/100/1000Mbps Ethernet Protocols Supported DHCP, HTTP, HTTPS, IPV4, IPV6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (VI/V2c/V3), Syslog, TACACS+, Modbus TCP Data Access Formats CSV datalog, JSON API, JSON datalog USB Support Yes IP Reset Button Yes Remote Sensor RJ Connection Jacks Li Supports to 1 (Supports up to 16 Sensors) Maximum Operating Temperature 60 C/ 1/40F Heavy Steel - Powder Coat Finish Black Configuration Zero U 7938 Vertical Mounting Bracket Kit Yes Toolless Mounting Hardware - Center to Center Spacing Country of Origin USA, TAA Compliant and Buy American Act COTS Compliant Product Warranty Freduct Warranty Freduct Warranty if registered within 120 days of purchase, otherwise warranty defaults to 3 years Certification/Agency Approvals		Power Measurements Compliant with ANSI C12.1 and IEC 62053- 21 at 1% Accuracy Class Requirements
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VA per Input (Load Capacity)  Frequency  50/60Hz  Over Current Protection  None  Switch  No  Scrolling / Rotatable Digital Display  Yes  Indicators - LED(a)  Power Cable Wire Gauge  12/3  Power Cable Length  10ft / 3m  Power Entry Location  Bottom Front  Plug Type  NEMA L5-20P Twistlock  Receptacle/Socket Type #1  NEMA 5-20R  - Quantity on Face  24  - Style  Individual  - Voltage per Receptacle/Socket  120V  Network Connection  Dual 10/100/1000Mbps Ethernet  Protecols Supported  DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SMMP (vi/v2e/v3), Sysiog, TACACS+, Modbus TCP  Data Access Formats  CSV datalog, JSON API, JSON datalog  USB Support  Yes  IP Reset Button  Yes  Serial Connection  RS232 via RJ45  Remote Sensor RJ Connection Jacks  Maximum Operating Temperature  60C / 140F  Heavy Steel - Powder Coat Finish  Black  Configuration  Zero U  7938 Vortical Mounting Bracket Kit  Yes  Country of Origin  USA, TAA Compliant and Buy American Act COTS Compliant  Product Warranty  Freduct Warranty  Freduct Warranty  S-year limited warranty if registered within 120 days of purchase, otherwise warranty defaults to 3 years  Certification/Agency Approvals	Voltage	100-120V
Frequency Over Current Protection None Switch No Scrolling / Rotatable Digital Display Yes Indicators - LED(s) 24 Power Cable Wire Gauge 12/3 Power Cable Length 10ft / 3m Power Entry Location Bottom Front Plug Type NEMA L5-20P Twistlock Receptacle/Socket Type #1 NEMA 5-20R - Ouantity on Face 24 - Style Individual - Voltage per Receptacle/Socket 120V 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 (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 Speacing Country of Origin USA, TAA Compliant and Buy American Act COTS Compliant Product Warranty S-year limited warranty if registered within 120 days of purchase, otherwise warranty defaults to 3 years Certification/Agency Approvals	Current	20A
Over Current Protection None  Switch No  Scrolling / Rotatable Digital Display Yes  Indicators - LED(e) 24  Power Cable Wire Gauge 12/3  Power Cable Length 10ft / 3m  Power Entry Location Bottom Front  Plug Type NEMA L5-20P Twistlock  Receptacle/Socket Type #1 NEMA L5-20P  - Quantity on Face 24  - Style Individual  - Voltage per Receptacle/Socket 120V  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  Berial 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  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	VA per Input (Load Capacity)	1.9kW (120V)
Switch  Scrolling / Rotatable Digital Display  Yes  Indicators - LED(s)  24  Power Cable Wire Gauge  12/3  Power Cable Length  10ft / 3m  Power Entry Location  Bottom Front  Plug Type  NEMA L5-20P Twistlock  Receptacle/Socket Type #1  NEMA 5-20R  -Quantity on Face  24  -Style  Individual  -Voltage per Receptacle/Socket  120V  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  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  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  RoHS Compliant	Frequency	50/60Hz
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Indicators - LED(s)  24  Power Cable Wire Gauge  12/3  Power Cable Length  10ft / 3m  Power Entry Location  Bottom Front  Plug Type  NEMA L5-20P Twistlock  Receptacle/Socket Type #1  - Quantity on Face  24  - Style  Individual  - Voltage per Receptacle/Socket  120V  Network Connection  Dual 10/100/1000Mbps Ethernet  Protocols Supported  DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SSH, SSH, SSH, SSH, SSH, SSH, SSH, SS	Switch	No
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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  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  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	- Voltage per Receptacle/Socket	120V
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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  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 RoHS Compliant	Data Access Formats	CSV datalog, JSON API, JSON datalog
Hard Reboot Button  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  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  RoHS Compliant	USB Support	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  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 RoHS Compliant	IP Reset Button	Yes
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  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  RoHS Compliant	Hard Reboot Button	Yes
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 61.25in and 64.75in / 1556mm and 1645mm  Spacing  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 RoHS Compliant	Serial Connection	RS232 via RJ45
Heavy Steel - Powder Coat Finish  Black  Configuration  Zero U  7938 Vertical Mounting Bracket Kit  Yes  Toolless Mounting Hardware - Center to Center Spacing  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  RoHS Compliant	Remote Sensor RJ Connection Jacks	1 (Supports up to 16 Sensors)
Configuration  Zero U  7938 Vertical Mounting Bracket Kit  Yes  Toolless Mounting Hardware - Center to Center Spacing  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  RoHS Compliant	Maximum Operating Temperature	60C / 140F
7938 Vertical Mounting Bracket Kit Yes  Toolless Mounting Hardware - Center to Center Spacing  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  RoHS Compliant	Heavy Steel - Powder Coat Finish	Black
Toolless Mounting Hardware - Center to Center Spacing  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  RoHS Compliant	Configuration	Zero U
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  RoHS Compliant	7938 Vertical Mounting Bracket Kit	Yes
Product Warranty 5-year limited warranty if registered within 120 days of purchase, otherwise warranty defaults to 3 years  Certification/Agency Approvals RoHS Compliant	Toolless Mounting Hardware - Center to Center Spacing	61.25in and 64.75in / 1556mm and 1645mm
purchase, otherwise warranty defaults to 3 years  Certification/Agency Approvals  RoHS Compliant	Country of Origin	USA, TAA Compliant and Buy American Act COTS Compliant
	Product Warranty	
Certification/Agency Approvals FCC Part 15 Class A Conformance	Certification/Agency Approvals	RoHS Compliant
	Certification/Agency Approvals	FCC Part 15 Class A Conformance

Certification/Agency Approvals	UL & c-UL Listed 62368-1
Chassis Dimensions (LxWxD)	66.25in x 2in x 2.6in / 1683mm x 51mm x 66mm
Shipped Weight	18lbs (8.16kg)