# Vertiv<sup>™</sup> PowerIT rPDU



## **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 PowerIT 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**

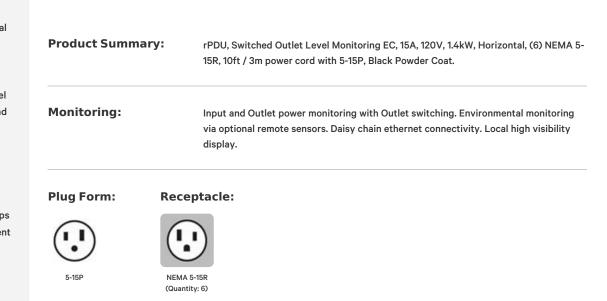
- Remotely reboot outlets to power cycle unresponsive IT equipment or increase runtime of critical equipment upon power failure with outlet-level control.
- Reliable power distribution with local and remote outlet-level power monitoring options offer quick access to critical power usage information down 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 #: VP7N11A0

Model Number: MNU5M1R5-06S153-1ST5A0H10-S Category: Switched Sub Category: Outlet Level Monitoring Power Configuration: 15A, 120V, 1.4kW Physical Configuration: 19in / 483mm, Horizontal



### **Chassis Color Options:**

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



To discuss color options, contact your local sales representative.

### **Product Specification and Options**

#### **System Features**

Power Measurements Compliant with ANSI C12.1 and IEC 62053- 21 at 1% Accuracy Class RequirementsOutlet MonitoringOutlet 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 ManagementIndividual Outlet Switching with Optional User Defined Time Delays and Sequential Power-upQuantity Of Inputs1Voltage100-120VCurrent15AVA per Input (Load Capacity)1.4kW (120V)Frequency50/60HzOver Current ProtectionNoneSwitchNoLCD Touchscreen Display / Auto OrientedYesIndicators - LED(s)6Power Cable Length10ft / 3mPower Entry LocationNEMA 5-15PPlug TypeNEMA 5-15R		
Power Measurements Compliant with ANSI C12.1 and IEC 62053- 21 at 1% Accuracy Class Requirements       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 Measgement     Individual Outlet Switching with Optional User Defined Time Delays and Sequirements.       Quantity Of Inputs     1       Voltage     100-120V       Current     15A       Vale prinput (Load Capacity)     14kW (120V)       Frequency     50/60Hz       Over Current Protection     None       Switch     No       LD Touchscreen Display / Auto Oriented     Yes       Indicators - LED(s)     6       Power Cable Length     10t / 3m       Power Cable Length     NEMA 5-15P       Receptacle/Socket Type #1     NEMA 5-15R       - Quantity on Rear     6       - Style     Individual       - Voltage per Receptacle/Socket     120V       Netwerton Connection     CSV datalog, JSON API	Monitoring	Environmental monitoring via optional remote sensors. Daisy
21 at % Accuracy Class Requirements   Outlet Monitoring   Outlet Monitoring (kWh, W, VA, PF, V, A)   Power Measurements Compliant with ANSI C12.1 and IEC 62053- 21 at % Accuracy Class Requirements.   Remote Power Management Inividual Outlet Switching with Optional User Defined Time Delays and Sequirements.   Quantity Of Inputs 100-120V   Quantity Of Inputs 100-120V   Current ISA   Vatage 50/60Hz   Quer Current Protection None   Switch No   LD Touchscreen Display / Auto Oriented Yes   Indicators - LED(s) 6   Power Cable Ure Gauge 10/1 / 3m   Power Cable Longth NEMA 5-15P   Receptacle/Socket Type #1 NEMA 5-15R   - Quantity on Rear 6   - Sytyle Individual   - Voltage per Receptacle/Socket 120V   Network Connection Dul 10/100/1000Mbps Ethernet   Protecols Supported SYL datalog, JSON API, JSON datalog   USB Support Yes   Hard Reboot Button Yes   Hard Reboot Button Yes   Bard Resenterion Stall Support   Yes Yes	Input Monitoring	Phase (A) Monitoring (kWh, W, VA, PF, V, A)
Power Measurements Compliant with ANSI Cl21 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     100-120V       Current     15A       VA per Input (Load Capacity)     14kW (120V)       Frequency     50/60Hz       Over Current Protection     None       Switch     No       LCD Touchscreen Display / Auto Oriented     Yes       Indicators - LED(s)     6       Power Cable Longth     10ft / 3m       Power Cable Longth     Net Rear       Plug Type     NEMA 5-15P       Receptacle/Socket Type #1     Individual       • Voltage per Receptacle/Socket     120V       Network Connection     Dual 10/100/1000Mbps Ethernet       Potocols Supported     SV datalog, JSON API, JSON datalog       USB Support     Yes       Protecols Button     Yes       Reade Button     Yes       Brances Bornet Son Rol Connection Jacks     If Supports up to 16 Sensors)		-
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 15A   Va per Input (Load Capacity) 14kW (120V)   Prequency 50/60Hz   Over Current Protection None   Switch No   LCD Touchecreen Display / Auto Oriented Yes   Indicators - LED(s) 6   Power Cable Wire Gauge 1/4/3   Power Cable Length 10ft / 3m   Power Cable Length 10ft / 3m   Power Entry Location Left Rear   Plug Type NEMA 5-15P   Receptacle/Socket Type #1 NeiMA 5-15R   - Quantity on Rear 6   - Style Individual   - Voltage per Receptacle/Socket 120V   Network Connection Dual 10/100/1000Mbps Ethernet   Potecols Supported Style Alage, JSON API, JSON datalog   USB Support Yes   Paset Button Yes   Paset Button Yes   Parameta Button Yes   Paset Button Yes   Parameta Button Yes   Paral Rebot Button Yes <t< td=""><td rowspan="2">Outlet Monitoring</td><td>Outlet Monitoring (kWh, W, VA, PF, V, A)</td></t<>	Outlet Monitoring	Outlet Monitoring (kWh, W, VA, PF, V, A)
Delays and Sequential Power-upQuantity Of Inputs1Voltage100-120VCurrent15AVa per Input (Load Capacity)14kW (120V)Frequency50/60HzOver Current ProtectionNoneSwitchNoLCD Touchscreen Display / Auto OrientedYesIndicators - LED(s)6Power Cable Wire Gauge14/3Power Cable Wire Gauge10ft / 3mPower Cable Length10ft / 3mPower Entry LocationLeft RearPlug TypeNEMA 5-15PReceptacle/Socket Type #1NEMA 5-15R- Quantity on Rear6- StyleIndividual- Voltage per Receptacle/Socket120VNetwork ConnectionDual 10/100/1000Mbps EthernetProtocols SupportedSCV datalog, JSON API, JSON datalogUSB SupportYesIP Reset ButtonYesHard Reboot ButtonYesSarial ConnectionRS22 via RJ45Serial Connection JacksNesports up to 16 Sensors)		
Voltage     100-120V       Current     15A       VA per Input (Load Capacity)     14kW (120V)       Frequency     50/60Hz       Over Current Protection     None       Switch     No       LCD Touchscreen Display / Auto Oriented     Yes       Indicators - LED(s)     6       Power Cable Length     10ft / 3m       Power Cable Length     10ft / 3m       Power Cable Length     NEMA 5-15P       Receptacle/Socket Type #1     NEMA 5-15P       Receptacle/Socket Type #1     Individual       - Quantity on Rear     6       - Style     Individual       - Voltage per Receptacle/Socket     120V       Network Connection     Dual 10/100/1000Mbps Ethernet       Protocols Supported     CSV datalog, JSON API, JSON datalog       USB Support     Yes       IBR Support     Yes       Hard Reboot Button     Yes       Serial Connection Jacks     Kesz32 via RJ45	Remote Power Management	
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Frequency   50/60Hz     Over Current Protection   None     Switch   No     LCD Touchscreen Display / Auto Oriented   Yes     Indicators - LED(s)   6     Power Cable Wire Gauge   14/3     Power Cable Length   10ft / 3m     Power Cable Length   10ft / 3m     Power Cable Length   NEMA 5-15P     Receptacle/Socket Type #1   NEMA 5-15R     - Quantity on Rear   6     - Style   Individual     - Voltage per Receptacle/Socket   120V     Network Connection   Dual 10/100/1000Mbps Ethernet     Protecols Supported   CSV datalog, JSON API, JSON datalog     USB Support   Yes     IP Reset Button   Yes     Hard Reboot Button   Yes     Serial Connection   RS232 via RJ45     Serial Connection   Yes	Current	15A
Over Current ProtectionNoneSwitchNoLCD Touchscreen Display / Auto OrientedYesIndicators - LED(s)6Power Cable Wire Gauge14/3Power Cable Length10ft / 3mPower Cable LengthLeft RearPlug TypeNEMA 5-15PReceptacle/Socket Type #1NEMA 5-15R- Quantity on Rear6- StyleIndividual- Voltage per Receptacle/Socket120VNetwork ConnectionDual 10/100/1000Mbps EthernetProtocols SupportedSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCPData Access FormatsCSV datalog, JSON API, JSON datalogUSB SupportYesHard Reboot ButtonYesSerial ConnectionRS232 via RJ45	VA per Input (Load Capacity)	1.4kW (120V)
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LCD Touchscreen Display / Auto Oriented   Yes     Indicators - LED(s)   6     Power Cable Wire Gauge   14/3     Power Cable Length   10ft / 3m     Power Cable Length   Left Rear     Plug Type   NEMA 5-15P     Receptacle/Socket Type #1   NEMA 5-15R     - Quentity on Rear   6     - Style   Individual     - Voltage per Receptacle/Socket   120V     Network Connection   Dual 10/100/1000Mbps Ethernet     Protocols Supported   CSV datalog, JSON API, JSON datalog     USB Support   Yes     Hard Reboot Button   Yes     Serial Connection   RS232 via RJ45     Kenter Sensor RJ Connection Jacks   Kisports up to 16 Sensors)	Over Current Protection	None
Indicators - LED(s)   6     Power Cable Wire Gauge   14/3     Power Cable Length   10ft / 3m     Power Cable Length   Left Rear     Plug Type   NEMA 5-15P     Receptacle/Socket Type #1   NEMA 5-15R     - Quantity on Rear   6     - Style   Individual     - Voltage per Receptacle/Socket   120V     Network Connection   Dual 10/100/1000Mbps Ethernet     Protocols Supported   CSV datalog, JSON API, JSON datalog     USB Support   Yes     Hard Reboot Button   Yes     Reare Button   Kes232 via RJ45     Remote Sensor RJ Connection Jacks   I(Supports up to 16 Sensors)	Switch	No
Power Cable Wire Gauge   14/3     Power Cable Length   10ft / 3m     Power Entry Location   Left Rear     Plug Type   NEMA 5-15P     Receptacle/Socket Type #1   NEMA 5-15R     - Quantity on Rear   6     - Style   Individual     - Voltage per Receptacle/Socket   120V     Network Connection   Dual 10/100/1000Mbps Ethernet     Protocols Supported   CSV datalog, JSON API, JSON datalog     USB Support   Yes     Hard Reboot Button   Yes     Rereate Sensor RJ Connection Jacks   I(Supports up to 16 Sensors)	LCD Touchscreen Display / Auto Oriented	Yes
Power Cable Length   10ft / 3m     Power Entry Location   Left Rear     Plug Type   NEMA 5-15P     Receptacle/Socket Type #1   NEMA 5-15R     - Quantity on Rear   6     - 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     Hard Reboot Button   Yes     Serial Connection Jacks   1(Supports up to 16 Sensors)	Indicators - LED(s)	6
Power Entry LocationLeft RearPlug TypeNEMA 5-15PReceptacle/Socket Type #1NEMA 5-15R- Quantity on Rear6- StyleIndividual- Voltage per Receptacle/Socket120VNetwork ConnectionDual 10/100/1000Mbps EthernetProtocols SupportedDHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCPData Access FormatsCSV datalog, JSON API, JSON datalogUSB SupportYesIP Reset ButtonYesBard Reboot ButtonS232 via RJ45Remote Sensor RJ Connection Jacks1(Supports up to 16 Sensors)	Power Cable Wire Gauge	14/3
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Receptacle/Socket Type #1   NEMA 5-15R     - Quantity on Rear   6     - 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     Hard Reboot Button   Yes     Serial Connection Jacks   1(Supports up to 16 Sensors)	Power Entry Location	Left Rear
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- Voltage per Receptacle/Socket120VNetwork ConnectionDual 10/100/1000Mbps EthernetProtocols SupportedDHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCPData Access FormatsCSV datalog, JSON API, JSON datalogUSB SupportYesIP Reset ButtonYesHard Reboot ButtonYesSerial ConnectionRS232 via RJ45Remote Sensor RJ Connection Jacks1(Supports up to 16 Sensors)	- Quantity on Rear	6
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     Bard Reboot Button   Yes     Serial Connection   RS232 via RJ45     Remote Sensor RJ Connection Jacks   1 (Supports up to 16 Sensors)	- Style	Individual
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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)	Network Connection	Dual 10/100/1000Mbps Ethernet
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)	Protocols Supported	
IP Reset Button Yes   Hard Reboot Button Yes   Serial Connection RS232 via RJ45   Remote Sensor RJ Connection Jacks 1 (Supports up to 16 Sensors)	Data Access Formats	CSV datalog, JSON API, JSON datalog
Hard Reboot Button Yes   Serial Connection RS232 via RJ45   Remote Sensor RJ Connection Jacks 1 (Supports up to 16 Sensors)	USB Support	Yes
Serial ConnectionRS232 via RJ45Remote Sensor RJ Connection Jacks1 (Supports up to 16 Sensors)	IP Reset Button	Yes
Remote Sensor RJ Connection Jacks 1 (Supports up to 16 Sensors)	Hard Reboot Button	Yes
	Serial Connection	RS232 via RJ45
Maximum Operating Temperature 60C / 140F	Remote Sensor RJ Connection Jacks	1 (Supports up to 16 Sensors)
	Maximum Operating Temperature	60C / 140F

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Heavy Steel - Powder Coat Finish	Black
Configuration	19in / 483mm Horizontal Rackmount
Adjustable Mount Brackets	Yes
Country of Origin	USA, TAA Compliant and Buy American Act COTS Compliant
Product Warranty	5-year limited warranty
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 (HxWxD)	1.72in x 17in x 12in / 44mm x 432mm x 305mm
Shipped Weight	10lbs (4.54kg)

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