Vertiv™ PowerIT rPDU



OVERVIEW

Upgradeable Outlet Level EC Monitored rPDUs provide reliable power distribution to critical IT equipment while delivering a comprehensive view of outlet level 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.



- 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
- Every unit is 100% tested for reliability and functionality. 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 deployment time with selfconfiguration of downstream devices.





Part #: VP6UU1A0

Model Number: DUR5M1R6-12CF17-1S02A0H00-S

Category: Monitored

Sub Category: Outlet Level

Power Configuration: Variable, Max 11.0kW Physical Configuration: 19in / 483mm, Horizontal

Product Summary: rPDU, Monitored Outlet Level EC, Max 11.0kW, Variable Power Configuration,

Horizontal, (12) Combination C13/C19, Universal Input, Black Powder Coat.

Monitoring: Input and Outlet power monitoring. Circuit/Breaker current monitoring. Environmental

monitoring via optional remote sensors. Daisy chain Ethernet connectivity. Local high

visibility display.

Plug Form: Receptacle:





Universal Inlet

Combination C13/C19 (Quantity: 12)

Chassis Color Options:



To discuss color options, contact your local sales representative.

Product Specification and Options

System Features

monitoring, Environmental monitoring via optional remote sensors. Daisy chain Ethernet connectivity. Local high visibility display. Input Monitoring Total Unit Monitoring (kWh, W, VA, PF) Phase Monitoring (kWh, W, VA, PF), Power Measurements Compliant with ANSI C12.1 and IEC 62053-21 at 1% Accuracy Class Requirements Circuit Monitoring Circuit J 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. 1 Maximum Input Power (Defined by Facility Side Cable) 48A Single Phase, 240V Max, 11.0kW 24A 3 Phase DELTA, 240V Max, 11.0kW 24A 3 Phase DELTA, 240V Max, 8.6kW 16A Three Phase WYE, 240/415V Max, 11.0kW 24A 3 Phase DELTA, 240V Max, 8.6kW 16A Three Phase WYE, 240/415V Max, 11.0kW 24A 3 Phase DELTA, 240V Max, 1	System Features	
Phase Monitoring (kWh, W, VA, PF, V, A) Power Measurements Compliant with ANSI C12.1 and IEC 62053- 21 at 1% Accuracy Class Requirements Circuit Monitoring Circuit / Breaker Monitoring (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. Quantity Of Inputs 1 Maximum Input Power (Defined by Facility Side Cable) 48A Single Phase, 240 V Max, 11.0kW 24A 3 Phase DELTA, 240 V Max, 8.6kW 16A Three Phase WYE, 240/415 V Max, 11.0kW Frequency 50/60Hz Over Current Protection 33 16A Double Pole Magnetic Breakers (10kAIC Rated) Switch Breaker/Switch Combination LCD Touchscreen Display / Auto Oriented Yes Indicators - LED(s) 12 Power Entry Location Left Rear Plug Type Universal Inlet Combination C13/C19 - Quantity on Rear 12 - Quantity on Rear 13 - Circuit Color ID 3 Circuit = Orange, Green, Blue Banks of 6 - Circuit Color ID 3 Circuit = Orange, Green, Blue Banks of 6 Policient by Facility Side Cable Defined by Facili	Monitoring	monitoring. Environmental monitoring via optional remote sensors. Daisy chain Ethernet connectivity. Local high visibility
Power Measurements Compliant with ANSI C12.1 and IEC 62053- 21 at 1% Accuracy Class Requirements Circuit / Breaker Monitoring (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. 1 Maximum Input Power (Defined by Facility Side Cable) As A Single Phase, 240V Max, 11.0kW 24A 3 Phase DELTA, 240V Max, 11.0kW 24A 3 Phase DELTA, 240V Max, 11.0kW 36A Three Phase WYE, 240/415V Max, 11.0kW 36A Three Phase WYE, 240/415V Max, 11.0kW 36B Three Phase Phase, 240V Max, 11.0kW 36B Three Phase Phase, 240V Max, 1	Input Monitoring	Total Unit Monitoring (kWh, W, VA, PF)
21 at 1% Accuracy Class Requirements Circuit Monitoring Circuit / Breaker Monitoring (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. 1 Maximum Input Power (Defined by Facility Side 24A 3 Phase DELTA, 240V Max, 11.0kW 24A 3 Phase DELTA, 240V Max, 8.6kW 16A Three Phase WYE, 240/415V Max, 11.0kW Frequency 50/60Hz Over Current Protection 30 16A Double Pole Magnetic Breakers (10kAIC Rated) Switch Breaker/Switch Combination LCD Touchscreen Display / Auto Oriented Yes Indicators - LED(s) 12 Power Entry Location Left Rear Plug Type Universal Inlet Receptacle/Socket Type #1 Combination C13/C19 - Quantity on Rear 12 - Quantity on Rear 4 - Circuit Color ID 3 Circuit = Orange, Green, Blue Banks of 6 - Voltage per Receptacle/Socket Defined by Facility Side Cable 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 Breaset Button Yes Serial Connection RS232 via RJ45		
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. Quantity Of Inputs 1 Maximum Input Power (Defined by Facility Side Cable) ABA Single Phase, 240V Max, 11.0kW 24A 3 Phase DELTA, 240V Max, 8.6kW 16A Three Phase WYE, 240/415V Max, 11.0kW 50/60Hz Over Current Protection (3) 16A Double Pole Magnetic Breakers (10kAIC Rated) Switch Breaker/Switch Combination LCD Touchscreen Display / Auto Oriented Yes Indicators - LED(s) 12 Power Entry Location Left Rear Plug Type Universal Inlet Receptacle/Socket Type #1 Combination C13/C19 - Quantity on Rear 12 - Quantity on Rear 4 - Circuit Color ID 3 Circuit = Orange, Green, Blue Banks of 6 - Voltage per Receptacle/Socket Defined by Facility Side Cable Network Connection Dual 10/100/1000Mbps Ethernet Protocols Supported DHCP, HTTP, HTTPS, IPV4, IPV6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SMMP (v1/v2c/v3), Syslog, TACACS+, Modbus TCP CSV datalog, JSON API, JSON datalog USB Support Yes Breset Button Yes Serial Connection RS232 via RJ45		•
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Maximum Input Power (Defined by Facility Side Cable) 48A Single Phase, 240V Max, 11.0kW 24A 3 Phase DELTA, 240V Max, 11.0kW 16A Three Phase WYE, 240/415V Max, 11.0kW Frequency 50/60Hz Over Current Protection (3) 16A Double Pole Magnetic Breakers (10kAlC Rated) Switch Breaker/Switch Combination LCD Touchscreen Display / Auto Oriented Yes Indicators - LED(s) 12 Power Entry Location Left Rear Plug Type Universal Inlet Receptacle/Socket Type #1 Combination C13/C19 - Quantity on Rear - Quantity per Breaker - Circuit Color ID 3 Circuit = Orange, Green, Blue - Style Banks of 6 - Voltage per Receptacle/Socket Defined by Facility Side Cable 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 RS232 via RJ45		•
Cable) 24A 3 Phase DELTA, 240V Max, 8.6kW 16A Three Phase WYE, 240/415V Max, 11.0kW Frequency 50/60Hz Over Current Protection (3) 16A Double Pole Magnetic Breakers (10kAIC Rated) Switch Breaker/Switch Combination LCD Touchscreen Display / Auto Oriented Yes Indicators - LED(s) 12 Power Entry Location Left Rear Plug Type Universal Inlet Receptacle/Socket Type #1 Combination C13/C19 - Quantity on Rear 12 - Quantity per Breaker 4 - Circuit Color ID 3 Circuit = Orange, Green, Blue - Style Banks of 6 - Voltage per Receptacle/Socket Defined by Facility Side Cable 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 RS232 via RJ45	Quantity Of Inputs	1
Over Current Protection (3) 16A Double Pole Magnetic Breakers (10kAIC Rated) Switch Breaker/Switch Combination LCD Touchscreen Display / Auto Oriented Yes Indicators - LED(s) 12 Power Entry Location Left Rear Plug Type Universal Inlet Receptacle/Socket Type #1 Combination C13/C19 - Quantity on Rear - Quantity per Breaker 4 - Circuit Color ID 3 Circuit = Orange, Green, Blue - Style Banks of 6 - Voltage per Receptacle/Socket Defined by Facility Side Cable Network Connection Dual 10/100/1000Mbps Ethernet Protocols Supported DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SH, 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 RS232 via RJ45	Maximum Input Power (Defined by Facility Side Cable)	24A 3 Phase DELTA, 240V Max, 8.6kW
Switch Breaker/Switch Combination LCD Touchscreen Display / Auto Oriented Yes Indicators - LED(s) 12 Power Entry Location Left Rear Plug Type Universal Inlet Receptacle/Socket Type #1 Combination C13/C19 - Quantity on Rear 12 - Quantity per Breaker 4 - Circuit Color ID 3 Circuit = Orange, Green, Blue - Style Banks of 6 - Voltage per Receptacle/Socket Defined by Facility Side Cable 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	Frequency	50/60Hz
Indicators - LED(s) 12 Power Entry Location Left Rear Plug Type Universal Inlet Receptacle/Socket Type #1 Combination C13/C19 - Quantity on Rear - Quantity per Breaker - Circuit Color ID 3 Circuit = Orange, Green, Blue - Style Banks of 6 - Voltage per Receptacle/Socket Defined by Facility Side Cable 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 RS232 via RJ45	Over Current Protection	(3) 16A Double Pole Magnetic Breakers (10kAIC Rated)
Power Entry Location Left Rear Plug Type Universal Inlet Receptacle/Socket Type #1 Combination C13/C19 - Quantity on Rear Quantity per Breaker - Circuit Color ID 3 Circuit = Orange, Green, Blue - Style Banks of 6 - Voltage per Receptacle/Socket Defined by Facility Side Cable 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 RS232 via RJ45	Switch	Breaker/Switch Combination
Power Entry Location Left Rear Plug Type Universal Inlet Receptacle/Socket Type #1 Combination C13/C19 - Quantity on Rear - Quantity per Breaker - Circuit Color ID 3 Circuit = Orange, Green, Blue - Style Banks of 6 - Voltage per Receptacle/Socket Defined by Facility Side Cable Network Connection Dual 10/100/1000Mbps Ethernet Protocols Supported DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNNP (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 RS232 via RJ45	LCD Touchscreen Display / Auto Oriented	Yes
Plug Type Universal Inlet Receptacle/Socket Type #1 Combination C13/C19 - Quantity on Rear 12 - Quantity per Breaker 4 - Circuit Color ID 3 Circuit = Orange, Green, Blue - Style Banks of 6 - Voltage per Receptacle/Socket Defined by Facility Side Cable 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	Indicators - LED(s)	12
Receptacle/Socket Type #1 - Quantity on Rear - Quantity per Breaker - Circuit Color ID - Style - Style - Voltage per Receptacle/Socket - Voltage per Receptacle/Socket - Defined by Facility Side Cable 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 TCP Data Access Formats CSV datalog, JSON API, JSON datalog USB Support Yes IP Reset Button Yes Serial Connection RS232 via RJ45	Power Entry Location	Left Rear
- Quantity on Rear - Quantity per Breaker - Circuit Color ID - Style - Style - Voltage per Receptacle/Socket 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 TCP Data Access Formats CSV datalog, JSON API, JSON datalog USB Support Yes IP Reset Button Yes Serial Connection RS232 via RJ45	Plug Type	Universal Inlet
- Quantity per Breaker - Circuit Color ID 3 Circuit = Orange, Green, Blue - Style Banks of 6 - Voltage per Receptacle/Socket Defined by Facility Side Cable 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	Receptacle/Socket Type #1	Combination C13/C19
- Circuit Color ID 3 Circuit = Orange, Green, Blue - Style Banks of 6 - Voltage per Receptacle/Socket Defined by Facility Side Cable 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	- Quantity on Rear	12
- Style Banks of 6 - Voltage per Receptacle/Socket Defined by Facility Side Cable 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	- Quantity per Breaker	4
- Voltage per Receptacle/Socket Defined by Facility Side Cable Dual 10/100/1000Mbps Ethernet 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	- Circuit 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 TCP Data Access Formats CSV datalog, JSON API, JSON datalog USB Support Yes IP Reset Button Yes Serial Connection RS232 via RJ45	- Style	Banks of 6
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 RS232 via RJ45	- Voltage per Receptacle/Socket	Defined by Facility Side Cable
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	Network Connection	Dual 10/100/1000Mbps Ethernet
USB Support Yes IP Reset Button Yes Hard Reboot Button Yes Serial Connection RS232 via RJ45	Protocols Supported	
IP Reset Button Yes Hard Reboot Button Yes Serial Connection RS232 via RJ45	Data Access Formats	CSV datalog, JSON API, JSON datalog
Hard Reboot Button Yes Serial Connection RS232 via RJ45	USB Support	Yes
Serial Connection RS232 via RJ45	IP Reset Button	Yes
	Hard Reboot Button	Yes
Remote Sensor RJ Connection Jacks 1 (Supports up to 16 Sensors)	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	1U
Adjustable Mount Brackets	Yes
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	CE Marked
Certification/Agency Approvals	UL & c-UL Listed 62368-1
Certification/Agency Approvals	UKCA Marked
Certification/Agency Approvals	Complies with IEC 62368-1 (DOC Available)
Certification/Agency Approvals	Complies with EN 55032 and EN 55035
Certification/Agency Approvals	RoHS Compliant
Certification/Agency Approvals	RCM Mark (EMC Only)
Certification/Agency Approvals	FCC Part 15 Class A Conformance
Certification/Agency Approvals	China RoHS
Chassis Dimensions (HxWxD)	1.72in x 17in x 12in / 44mm x 432mm x 305mm
Shipped Weight	12lbs (5.44kg)