

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 #: VP7UV0A3

Model Number: DUU5MGB1-24CF17-2S02A9K00-S-A

Category: Switched

Sub Category: Outlet Level Monitoring

Power Configuration: Variable, Variable, 22.0kW Physical Configuration: 66in / 1683mm, Vertical

Product Summary: rPDU, Switched Outlet Level Monitoring EC, 22.0kW, Variable Power Configuration,

Vertical, (24) Combination C13/C19, Universal Inlet, 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:





Universal Inlet

Combination C13/C19 (Quantity: 24)

Chassis Color Options:



To discuss color options, contact your local sales representative.

Product Specification and Options

System Features

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.

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

Input Monitoring Phase Monitoring (Wh, W, VA, PF) Phase Accuracy Current Measurements Independently Tested and Verified at 2% Accuracy Outlet Monitoring (Wh, W, VA, PF, V, A) Power Measurements Compliant with ANSI C121 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 Maximum Input Power (Defined by Facility Side Cable) Gabio Sale Special Phase, 240V Max, 14.4kW 48A 3 Phase DELTA, 240V Max, 14.4kW 48A 3 Phase DELTA, 240V Max, 19.5kW 22A Three Phase WYE, 240V Max, 129.kW 22A Three Phase WYE, 240V Max, 22.0kW Frequency So/Sobta Over Current Protection (6) 16A Double Pole Magnetic Breakers (10kAIC Rated) Switch Breaker/Switch Combination LED Touchscreen Display / Auto Oriented Yes Indicators - LEDG) 24 Power Entry Location Pivoting Connector Plug Type Universal Inlet Alternating Phase/Circuits Yes Receptaels/Socket Type #1 Combination C13/C19 - Quantity on Face 24 - Current Protection Select Type #1 Combination C13/C19 - Quantity on Face 24 - Current Protection Supported Balas of Scircuit = Orange, Green, Blue, Light Orange, Light Green, Light Blue Style Style Banks of Select Type #1 Combination C13/C19 Physiology Supported Delined by Facility Side Cable Network Commection Dual 10/100/1000Mbps Ethernet Protecols Supported DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Sysleg, TACACS+, Modbus TCP Data Access Formats USB Support Yes Serial Connection Acks I (Supports up to 16 Sensors) Maximum Operating Temperature GOC / 140F Heavy Steel - Powder Coat Finish Back Configuration Error Usantity Delay Support Protecols Supported Coat Finish Back Con		
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Remote Power Management Individual Outlet Switching with Optional User Defined Time Delays and Sequential Power-up Quantity Of Inputs 1 Maximum Input Power (Defined by Facility Side Cable) \$24 A Phase DELTA, 240V Max, 19.9kW 32A Three Phase WYE, 240/415V Max, 22.0kW Frequency 50/60Hz Over Current Protection (6) 16A Double Pole Magnetic Breakers (10kAIC Rated) Switch Breaker/Switch Combination LCD Touchscreen Display / Auto Oriented Yes Indicators - LED(s) 24 Power Entry Location Pivoting Connector Plug Type Universal Inlet Alternating Phase/Circuits Yes Receptacle/Socket Type #1 Combination C13/C19 - Quantity on Face 24 - Quantity on Face 24 - Quantity per Breaker 4 - Circuit Color ID 6 Circuit = Orange, Green, Blue, Light Orange, Light Green, Light 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, SIMP (VIV2C/V3), Syslog, TACACS+, Modbus TCP Data Access Formats CSV datalog, JSON API, JSON datalog USB Support Yes Brial Connection RS232 via RJ45 Remote Sensor RJ Connection Jacks 15supports up to 16 Sensors) Maximum Operating Temperature 60C /140F Heavy Stel - Powder Coat Finish Black Configuration Zero U	Outlet Monitoring	Outlet Monitoring (kWh, W, VA, PF, V, A)
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Switch Breaker/Switch Combination LCD Touchscreen Display / Auto Oriented Yes Indicators - LED(s) 24 Power Entry Location Pivoting Connector Plug Type Universal Inlet Alternating Phase/Circuits Yes Receptacle/Socket Type #1 Combination C13/C19 - Quantity on Face 24 - Quantity on Face 24 - Circuit Color ID 6 Circuit = Orange, Green, Blue, Light Orange, Light Green, Light 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 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	Frequency	50/60Hz
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Power Entry Location Pivoting Connector Plug Type Universal Inlet Alternating Phase/Circuits Yes Receptacle/Socket Type #1 Combination C13/C19 - Quantity on Face 24 - Quantity per Breaker 4 - Circuit Color ID 6 Circuit = Orange, Green, Blue, Light Orange, Light Green, Light 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, SMMP (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	LCD Touchscreen Display / Auto Oriented	Yes
Plug Type Alternating Phase/Circuits Yes Receptacle/Socket Type #1 Combination C13/C19 - Quantity on Face Quantity per Breaker - Circuit Color ID 6 Circuit = Orange, Green, Blue, Light Orange, Light Green, Light 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 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	Indicators - LED(s)	24
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Receptacle/Socket Type #1 Combination C13/C19 - Quantity on Face 24 - Quantity per Breaker 4 - Circuit Color ID 6 Circuit = Orange, Green, Blue, Light Orange, Light Green, Light 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 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	Plug Type	Universal Inlet
- Quantity on Face 24 - Quantity per Breaker 4 - Circuit Color ID 6 Circuit = Orange, Green, Blue, Light Orange, Light Green, Light 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 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	Alternating Phase/Circuits	Yes
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- Circuit Color ID 6 Circuit = Orange, Green, Blue, Light Orange, Light Green, Light 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 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	- Quantity on Face	24
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 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	- Quantity per Breaker	4
- 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 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	- Circuit Color ID	
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	- 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 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	- 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 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	Network Connection	Dual 10/100/1000Mbps Ethernet
USB Support 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	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) Maximum Operating Temperature 60C / 140F Heavy Steel - Powder Coat Finish Black Configuration Zero U	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) Maximum Operating Temperature 60C / 140F Heavy Steel - Powder Coat Finish Black Configuration Zero U	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	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	Hard Reboot Button	Yes
Maximum Operating Temperature 60C / 140F Heavy Steel - Powder Coat Finish Black Configuration Zero U	Serial Connection	RS232 via RJ45
Heavy Steel - Powder Coat Finish Black Configuration Zero U	Remote Sensor RJ Connection Jacks	1 (Supports up to 16 Sensors)
Configuration Zero U	Maximum Operating Temperature	60C / 140F
•	Heavy Steel - Powder Coat Finish	Black
4689 UPDU Mounting Bracket Kit Yes	Configuration	Zero U
	4689 UPDU 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	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
Certification/Agency Approvals	C _p Mark
Chassis Dimensions (LxWxD)	66.25in x 2in x 2.6in / 1683mm x 51mm x 66mm
Doghouse (D)	1.4in / 36mm
Shipped Weight	27lbs (12.25kg)