

# **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 real-time 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.
- 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.
- Daisy-chain up to 50 devices on a





# Part #: GR30202

Model Number: MGR3E1R6-12CF13-3PS6B2H10-S

Category: Monitored

Sub Category: Outlet Level EC

Power Configuration: 32A, 230V, 7.3kW

Physical Configuration: 19in / 483mm, Horizontal

Product Summary: rPDU, Monitored Outlet Level EC, 32A, 230V, 7.3kW, Horizontal, (12) Combination

C13/C19, 10ft / 3m power cord with 1P+N+E (IP44), 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 LED display.

### Plug Form: Receptacle:







1P+N+E (IP44)

Combination C13/C19 (Quantity: 12)

### **Chassis Color Options:**

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**

Input and Outlet power monitoring. Circuit/Breaker current monitoring, Environmental monitoring via optional remote sensors. Daisy chain Ethernet connectivity. Local high visibility LED display.  Input Monitoring Phase (A) Monitoring (Wh, W, VA, PF, VA) Power Measurements Compliant with ANSI C12.1 and IEC 62053-21 at 11% Accuracy Class Requirements  Circuit Monitoring 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 11% Accuracy Class Requirements.  VLC Support Yes Quantity Of Inputs 1 Voltage 200-240V  Current 32A VA per Input (Load Capacity) 7.3kW (230V) Frequency 50/60Hz Over Current Protection (2) 16A Single Pole Magnetic Breakers (10kAIC Rated) Switch Breaker/Switch Combination  Scrolling / Rotatable Digital Display Yes Indicators - LED(a) 12 Power Cable Length 10ft / 3m Power Cable Length 2 Combination C13/C19 - Quantity on Rear 12 - Quantity on Rear 14 - Circuit Color ID 2 Circuit = Orange, Green - Style - Banks of 6 - Voltage per Receptacle/Socket 230V Network Connection Dual 10/100Mbps Ethernet Protocols Supported DHCP, HTTP, HTTPS, IPVA, IPV6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (VI/Vzc/Va), Syslog, TACACS+ Data Access Formats CSV datalog, JSON API, JSON datalog	System Features	
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.  VLC Support  Yes  Quantity Of Inputs  1  Voltage  200-240V  Current  32A  VA per Input (Load Capacity)  7-3kW (230V)  Frequency  50/60Hz  Over Current Protection  (2) 16A Single Pole Magnetic Breakers (10kAIC Rated)  Switch  Breaker/Switch Combination  Scrolling / Rotatable Digital Display  Yes  Indicators - LED(s)  12  Power Cable Wire Gauge  4mm² HO7RN-F  Power Cable Length  10ft / 3m  Power Entry Location  Left Rear  Plug Type  IEC60309 1P + N + E, 32A, 250V, Splashproof IP44  Receptacle/Socket Type #1  - Quantity on Rear  12  - Quantity on Rear  14  - Quantity on Rear  15  - Quantity on Rear  16  - Circuit Color ID  2 Circuit - Orange, Green  - Style  8anks of 6  - Voltage per Receptacle/Socket  230V  Network Connection  Dual 10/100Mbps Ethernet  Protocols Supported  DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SSMP (VI/V2C/V3), Syslog, TACACS+  Data Access Formats  CSV datalog, JSON API, JSON datalog	Monitoring	monitoring. Environmental monitoring via optional remote sensors. Daisy chain Ethernet connectivity. Local high visibility
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 62063-21 at 1% Accuracy Class Requirements.  VLC Support  Yes  Quantity Of Inputs  1  Voltage  200-240V  Current  32A  VA per Input (Load Capacity)  7.3kW (230V)  Frequency  50/60Hz  Over Current Protection  (2) 16A Single Pole Magnetic Breakers (10kAIC Rated)  Switch  Breaker/Switch Combination  Scrolling / Rotatable Digital Display  Yes  Indicators - LED(s)  12  Power Cable Wire Gauge  4mm² H07RN-F  Power Cable Length  10ft / 3m  Power Entry Location  Left Rear  Plug Type  IEC60309 1P + N + E, 32A, 250V, Splashproof IP44  Receptacle/Socket Type #1  Combination C13/C19  - Quantity on Rear  12  - Quantity per Breaker  6  - Circuit Color ID  2 Circuit = Orange, Green  Banks of 6  - Voltage per Receptacle/Socket  230V  Network Connection  Dual 10/100Mbps Ethernet  Protocols Supported  CSV datalog, JSON API, JSON Apl, JS	Input Monitoring	Phase (A) 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.  VLC Support  Yes  Quantity Of Inputs  1  Voltage  200-240V  Current  32A  VA per Input (Load Capacity)  7.3kW (230V)  Frequency  50/60Hz  Over Current Protection  (2) 16A Single Pole Magnetic Breakers (10kAIC Rated)  Switch  Breaker/Switch Combination  Scrolling / Rotatable Digital Display  Yes  Indicators - LED(s)  12  Power Cable Wire Gauge  4mm² H07RN-F  Power Cable Length  10ft / 3m  Power Entry Location  Left Rear  IEC60309 1P + N + E, 32A, 250V, Splashproof IP44  Receptacle/Socket Type #1  Combination C13/C19  - Quantity on Rear  12  - Quantity per Breaker  6  - Circuit Color ID  2 Circuit = Orange, Green  - Style  - Banks of 6  - Voltage per Receptacle/Socket  230V  Network Connection  Dual 10/100Mbps Ethernet  Protocols Supported  CSV datalog, JSON API, JSON ApI, JSON Apl, JSON Ap		Power Measurements Compliant with ANSI C12.1 and IEC 62053- 21 at 1% Accuracy Class Requirements
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Quantity Of Inputs         1           Voltage         200-240V           Current         32A           VA per Input (Load Capacity)         7.3kW (230V)           Frequency         50/60Hz           Over Current Protection         (2) 16A Single Pole Magnetic Breakers (10kAIC Rated)           Switch         Breaker/Switch Combination           Scrolling / Rotatable Digital Display         Yes           Indicators - LED(s)         12           Power Cable Wire Gauge         4mm² H07RN-F           Power Cable Length         10ft / 3m           Power Entry Location         Left Rear           Plug Type         IEC60309 1P + N + E, 32A, 250V, Splashproof IP44           Receptacle/Socket Type #1         Combination C13/C19           - Quantity on Rear         12           - Quantity on Rear         12           - Quantity per Breaker         6           - Circuit Color ID         2 Circuit = Orange, Green           - Style         Banks of 6           - Voltage per Receptacle/Socket         230V           Network Connection         Dual 10/100Mbps Ethernet           Protocols Supported         DHCP, HTTP, HTTPS, IPV4, IPV6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+           Data Access Formats <t< td=""><td></td></t<>		
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Over Current Protection  (2) 16A Single Pole Magnetic Breakers (10kAIC Rated)  Switch  Breaker/Switch Combination  Scrolling / Rotatable Digital Display  Yes  Indicators - LED(s)  12  Power Cable Wire Gauge  4mm² H07RN-F  Power Cable Length  10ft / 3m  Power Entry Location  Left Rear  Plug Type  IEC60309 1P + N + E, 32A, 250V, Splashproof IP44  Receptacle/Socket Type #1  Combination C13/C19  - Quantity on Rear  12  - Quantity per Breaker  6  - Circuit Color ID  2 Circuit = Orange, Green  - Style  Banks of 6  - Voltage per Receptacle/Socket  230V  Network Connection  Dual 10/100Mbps Ethernet  Protocols Supported  DHCP, HTTP, HTTPS, IPV4, IPV6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+  CSV datalog, JSON API, JSON datalog	VA per Input (Load Capacity)	7.3kW (230V)
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Power Cable Wire Gauge 4mm² H07RN-F  Power Cable Length 10ft / 3m  Power Entry Location Left Rear  Plug Type IEC60309 1P + N + E, 32A, 250V, Splashproof IP44  Receptacle/Socket Type #1 Combination C13/C19  - Quantity on Rear 12  - Quantity per Breaker 6  - Circuit Color ID 2 Circuit = Orange, Green  - Style Banks of 6  - Voltage per Receptacle/Socket 230V  Network Connection Dual 10/100Mbps Ethernet  Protocols Supported DHCP, HTTP, HTTPS, IPV4, IPV6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+  Data Access Formats CSV datalog, JSON API, JSON datalog	Scrolling / Rotatable Digital Display	Yes
Power Cable Length  10ft / 3m  Left Rear  Plug Type  IEC60309 1P + N + E, 32A, 250V, Splashproof IP44  Receptacle/Socket Type #1  Combination C13/C19  - Quantity on Rear  12  - Quantity per Breaker  6  - Circuit Color ID  2 Circuit = Orange, Green  - Style  Banks of 6  - Voltage per Receptacle/Socket  230V  Network Connection  Dual 10/100Mbps Ethernet  Protocols Supported  DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+  Data Access Formats  CSV datalog, JSON API, JSON datalog	Indicators - LED(s)	12
Power Entry Location  Left Rear  Plug Type  IEC60309 1P + N + E, 32A, 250V, Splashproof IP44  Receptacle/Socket Type #1  Combination C13/C19  - Quantity on Rear  12  - Quantity per Breaker  6  - Circuit Color ID  2 Circuit = Orange, Green  - Style  Banks of 6  - Voltage per Receptacle/Socket  230V  Network Connection  Dual 10/100Mbps Ethernet  Protocols Supported  DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+  Data Access Formats  CSV datalog, JSON API, JSON datalog	Power Cable Wire Gauge	4mm² H07RN-F
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Receptacle/Socket Type #1  - Quantity on Rear  12  - Quantity per Breaker  6  - Circuit Color ID  2 Circuit = Orange, Green  - Style  Banks of 6  - Voltage per Receptacle/Socket  230V  Network Connection  Dual 10/100Mbps Ethernet  Protocols Supported  DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+  Data Access Formats  CSV datalog, JSON API, JSON datalog	Power Entry Location	Left Rear
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- Style Banks of 6  - Voltage per Receptacle/Socket 230V  Network Connection Dual 10/100Mbps Ethernet  Protocols Supported DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+  Data Access Formats CSV datalog, JSON API, JSON datalog	- Quantity per Breaker	6
- Voltage per Receptacle/Socket  230V  Network Connection  Dual 10/100Mbps Ethernet  Protocols Supported  DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+  Data Access Formats  CSV datalog, JSON API, JSON datalog	- Circuit Color ID	2 Circuit = Orange, Green
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Protocols Supported  DHCP, HTTP, HTTPS, IPv4, IPv6, LDAP, NTP, RADIUS, RSTP, SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+  Data Access Formats  CSV datalog, JSON API, JSON datalog	- Voltage per Receptacle/Socket	230V
SSH, SMTP, SNMP (v1/v2c/v3), Syslog, TACACS+  Data Access Formats  CSV datalog, JSON API, JSON datalog	Network Connection	Dual 10/100Mbps Ethernet
,	Protocols Supported	
USB Support Yes	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	19in / 483mm Horizontal Rackmount
Adjustable Mount Brackets	Yes
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	Complies with EN 55032 and EN 55024
Certification/Agency Approvals	RoHS Compliant
Certification/Agency Approvals	RCM Mark (EMC Only)
Certification/Agency Approvals	Complies with IEC 62368-1 (DOC Available)
Certification/Agency Approvals	China RoHS
Certification/Agency Approvals	C <sub>o</sub> Mark
Chassis Dimensions (HxWxD)	1.72in x 17in x 12in / 44mm x 432mm x 305mm
Shipped Weight	12lbs (5.44kg)