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Eaton 5P G2 1440VA 1440W 120V Line-Interactive UPS - 8 NEMA 5-15R Outlets, Cybersecure Network Card Option, 2U Rack/Tower

MODEL NUMBER: 5P1500RTG2



Provides enterprise-class battery backup and pure sine wave output for servers, switches, edge computing and other critical networking equipment.

Features

1.44kVA/1.44kW/120V Battery Backup for Edge Computing

This 5P G2 line-interactive UPS system provides reliable battery backup and AC power protection for servers, switches and other mission-critical IT equipment in edge computing environments, server rooms and network closets. The 5P1500RTG2 protects more connected devices by providing 20 percent more wattage compared to traditional UPS systems. Pure sine wave output provides stable, highquality power, while unity power factor (1.0) ensures maximum usable watts at each power rating.

Reliable Battery Backup with Enhanced Management

Exclusive ABM technology increases battery life by 50 percent by optimizing the charging process. It also closely monitors battery health to provide advanced notice when batteries need replacing.

Optional Gigabit Network Interface Offers 24/7 Remote Access

The NETWORK-M3 cybersecure network management card (sold separately) enables full remote configuration and management, including load shedding, reboots of connected equipment and safe shutdowns. UPS firmware can also be flashed remotely through the NETWORK-M3 without dropping the load, so you don't have to plan for downtime. The card meets both UL 2900-1 and IEC 62443-4-2 standards for cybersecurity, which were developed to address the vulnerability of connected devices to known malware/exploits and to protect businesses from these risks.

NEMA 5-15R Outlets Protect Your Connected Components

Eight 5-15R outlets provide connected equipment with pure sine wave AC output and allow you to monitor power consumption down to the outlet group level. Four outlets are grouped into two load banks that let you shed non-critical loads to extend runtime for critical loads.

Automatic Voltage Regulation (AVR) Corrects Low- and High-Voltage Conditions

AVR protects your equipment from incremental hardware damage, data loss and performance problems caused by brownouts and overvoltages. The 5P1500RTG2 can correct brownouts as low as 89V and overvoltages as high as 151V back to nominal 120V power continuously, all while keeping the battery fully charged and ready to take over in case of power failure.

Highlights

- Unity power factor (1.0) delivers full rated power to support modern IT loads
- Pure sine wave output ensures compatibility and stability for sensitive equipment
- Exclusive ABM technology increases battery life by 50%
- Rack-friendly design is shorter in depth and 25% lighter than earlier 5P model
- Optional NETWORK-M3 Gigabit network card enables full remote access and control

Package Includes

- 1440VA 1440W 120V 5P G2 Line-Interactive UPS
- USB cable
- RS-232 cable
- Rack-mounting hardware
- Tower support stands
- User documentation



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LCD Interface Keeps You Informed at a Glance

The five-button graphical LCD provides useful information about the UPS itself, load status, events, measurements and settings. To save energy, the LCD switches to the screen saver after five minutes of inactivity. The multi-color LED status bar stays illuminated so you can always check power status at a glance.

Advanced Communications Ports Allow for Automatic Saves and Shutdowns

RS-232 and USB ports connect to a serial-enabled or USB-enabled device for a variety of communication options (cables are included). The RPO/ROO connector permits emergency shutdown or remote restart of all connected equipment.

Easy Installation Options

You can mount the 5P1500RTG2 in just 2U of space in an EIA-standard 19-inch rack using the included 4-post rail kit. You can also install the UPS in a tower format with the included support stands. The 10-foot (3-meter) power cord with NEMA 5-15P plug connects to a compatible AC outlet.

Specifications

OVERVIEW	
UPC Code	786687110903
UPS Type	Line-Interactive
INPUT	
Input Phase	Single-Phase
Rated input current (Maximum Load)	12A
Nominal Input Voltage(s) Supported	120V AC
Nominal Input Voltage Description	Normal Mode: 120Vac (89-151 Vac) Extended Mode: 120V (70-153 Vac at <87% load)
UPS Input Connection Type	5-15P
UPS Input Cord Length (ft.)	10
UPS Input Cord Length (m)	3.1
Recommended Electrical Service	15A 120V
Maximum Input Amps	12
Input Plug Type	NEMA 5-15P
OUTPUT	
Output Capacity (VA)	1440
Output Capacity (kVA)	1.44
Output Capacity (Watts)	1440
Output Capacity (kW)	1.44
Power Factor	1
Nominal Voltage Details	100V, 120V, 125V
Frequency Compatibility	50 / 60 Hz



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Load Management Receptacles	2 Banks (2 outlets per bank)
Output AC Waveform (AC Mode)	Sine Wave
Output (Watts)	1440
Output AC Waveform (Battery Mode)	Pure Sine wave
Nominal Output Voltage(s) Supported	120V
Output Receptacles	(6) 5-15R
Individually Controllable Load Banks	No
BATTERY	
Battery Type	Valve Regulated Lead Acid (VRLA)
Runtime Full Load (min.)	5 min. (1440W)
Runtime Half Load (min.)	15 min. (720W)
Expandable Runtime	No
DC System Voltage (VDC)	48Vdc
Battery Recharge Rate (Included Batteries)	9 Hours
Battery Access	Battery Door
Lithium Batteries	No
Battery Management	ABM technology (3-stage charging extends battery service life by 50% and provides advance warning for battery replacement)
VOLTAGE REGULATION	
Voltage Regulation Description	Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 89 to 151Vac (Normal) 70 to 153Vac (Extended)
USER INTERFACE, ALERTS & CONTROLS	
Front Panel LCD Display	LCD graphical display
Switches	5 Buttons: Esc, Up, Down, Enter, On/Off; RPO / ROO; Relay Out
Audible Alarm	Audible alarm indicates utility failure, low-battery, overload, other UPS/Battery fault or remote shutdown
LED Indicators	3 status-indicating LEDs (normal, battery mode, alarm); LED light Bar (Blue = Nominal, Yellow = Warning, Red = Alarm)
SURGE / NOISE SUPPRESSION	
UPS AC Suppression Joule Rating	380
UPS AC Suppression Response Time	Instantaneous
PHYSICAL	
Primary Form Factor	Rackmount
Rack Height	2U



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Cooling Method	Fan
Included Mounting Accessories	Rackmount hardware, Tower support stands
Installation Form Factors Supported with Included Accessories	4 post 19 inch rackmount; Tower
Maximum Device Depth (cm)	44.81
Maximum Device Depth (in.)	17.640
Maximum Device Depth (mm)	448
Minimum Required Rack Depth (cm)	53.34
Minimum Required Rack Depth (inches)	21
Minimum Required Rack Depth with External Battery Pack (cm)	53
Minimum Required Rack Depth with External Battery Pack (in.)	21
Minimum Required Rack Depth without External Battery Pack (cm)	53
Minimum Required Rack Depth without External Battery Pack (in.)	21
Primary UPS Depth (mm)	448
Primary UPS Height (mm)	86
Primary UPS Width (mm)	438
Shipping Dimensions (hwd / in.)	9.45 x 19.61 x 23.03
UPS Housing Material	Steel
UPS Power Module Dimensions (hwd, in.)	3.370 x 17.240 x 17.640
UPS Power Module Weight (kg)	23.00
UPS Power Module Weight (lbs.)	50.710
Unit Dimensions (hwd / in.)	3.370 x 17.240 x 17.640
Unit Weight (lbs.)	50.710
Unit Weight (kg)	23.00
ENVIRONMENTAL	
Operating Temperature Range	32° to 104°F (0° to 40°C)
Storage Temperature Range	5° to 122°F (-15° to 50°C)
Relative Humidity	20-90% non-condensing
AC Mode Efficiency Rating (100% Load)	97.5
Operating Elevation	9842ft (3000m)
Storage Elevation (ft.)	9842
Audible Noise	40dB



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COMMUNICATIONS	
Network Management Cards	 Network-M3 </td>
Network Management Card Description	Network card optional
Communications Interface	RS-232; USB (HID enabled)
Emergency Power Off (EPO)/Remote On-Off (ROO)	Yes
LINE / BATTERY TRANSFER	
Transfer Time	10ms Typical
Low Voltage Transfer to Battery Power (Setpoint)	89V +/-3%
High Voltage Transfer to Battery Power (Setpoint)	151V +/-3%
FEATURES & SPECIFICATIONS	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Automatic Voltage Regulation (AVR); Sine wave output
APPLICATIONS	
UPS Applications	Retail/Point of Sale; Hospitality; High-End Desktop/Small Network; Large Network
STANDARDS & COMPLIANCE	
Product Certifications	CAN/CSA-C22.2 No. 107.3 (Canada); ICES (Canada); IEC/EN 62040; UL 1778
Product Compliance	ENERGY STAR Qualified; FCC Part 15 Class A (USA); RoHS
WARRANTY & SUPPORT	
Product Warranty Period (U.S. & Canada)	3-year limited warranty

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