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Eaton 5P G2 550VA 495W 120V Line-Interactive UPS - 6 NEMA 5-15R Outlets, Lithium-Ion Battery, Cybersecure Network Card Option, 1U Rack/Wall

MODEL NUMBER: 5P550RG2-L



Provides low-maintenance power protection with long-lasting lithium-ion battery backup for edge computing and other critical IT equipment.

Features

550VA/495W/120V Lithium-Ion Battery Backup for Edge Computing

This 5P G2 line-interactive lithium-ion UPS system is a set-it-and-forget-it solution for enterprise-class power protection and battery backup. Compared to lead-acid batteries, lithium-ion (LiFePO4) batteries have a longer service life (up to 10 years), weigh less and recharge faster. The 5P550RG2-L typically requires fewer maintenance visits than a UPS with lead-acid batteries, saving you time and money.

Reliable Battery Backup with Enhanced Management

Exclusive ABM+ technology improves predictive battery replacement analytics to better pinpoint when battery replacement should take place. This prevents unexpected downtime caused by depleted batteries and avoids unnecessary expenses caused by premature replacement. When internal battery packs require replacement, they are hot-swappable and accessible from the front of the 5P550RG2-L.

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

Six 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. Three outlets are grouped into two load banks that let you shed non-critical loads to extend runtime for critical equipment. The banks can also be cycled remotely, reducing the need for inconvenient and costly on-site visits to reboot devices.

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

Pure sine wave output ensures reliable, stable power for sensitive electronics. AVR protects your equipment from incremental hardware damage, data loss and performance problems caused by brownouts and overvoltages. The 5P550RG2-L 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

- Lithium-ion (LiFePO4) batteries offer longer lifespan, less weight and faster recharges
- Pure sine wave output ensures compatibility and stability for sensitive equipment
- Exclusive ABM+ technology accurately predicts when batteries should be replaced
- Rack-friendly design just 14.2 in. deep for easy integration into space-constrained areas
- Optional NETWORK-M3 Gigabit network card enables full remote access and control

Package Includes

- 550VA 495W 120V 5P G2 Lithium-Ion Line-Interactive UPS
- USB cable
- Rack-mounting hardware
- User documentation



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ENERGY STAR-Certified to Help Save You Money and Protect the Environment

By meeting strict U.S. Department of Energy and U.S. Environmental Protection Agency requirements, this ENERGY STAR UPS system provides high operational efficiency to signal a reduction in BTU emissions, save on utility and cooling costs and help protect the environment.

LCD Interface Keeps You Informed

The five-button graphical LCD provides useful information, including load status, events, measurements and settings. To save energy, the high-contrast 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 immediately.

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 (USB cable included). The RPO/ROO connector permits emergency shutdown or remote restart of all connected equipment.

Short Depth Increases Your Installation Options

You can mount the 5P550RG2-L in just 1U of space in an EIA-standard 19-inch rack using the included hardware. Its 14.2-inch (36-centimeter) depth allows easy integration into shallow racks and space-constrained areas in schools, quick-service restaurants and retail backrooms. The removable mounting brackets also accommodate wall mounting. The six-foot (1.8-meter) power cord with NEMA 5-15P plug connects to a compatible AC outlet.

Specifications

OVERVIEW	
UPC Code	786689949204
UPS Type	Line-Interactive
INPUT	
Input Phase	Single-Phase
Rated input current (Maximum Load)	15A
Nominal Input Voltage(s) Supported	100V AC; 110V AC; 120V AC
Nominal Input Voltage Description	Normal: 89-162Vac Extended: 70-162Vac
UPS Input Connection Type	5-15P
UPS Input Cord Length (ft.)	5.9
UPS Input Cord Length (m)	1.8
Maximum Input Amps	15
Input Frequency	50/60Hz (47-70Hz)
Input Plug Type	NEMA 5-15P
Input Cord Length (ft.)	5.9
Input Cord Length (m)	1.80
OUTPUT	
Output Capacity (VA)	550



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Output Capacity (kVA)	0.55
Output Capacity (Watts)	495
Output Capacity (kW)	0.495
Power Factor	0.90
Nominal Voltage Details	100V, 110V, 120V, 125V
Frequency Compatibility	50 / 60 Hz
Load Management Receptacles	Group 1: (2)NEMA 5-15R Receptacles Group 2: (1)NEMA 5-15R Receptacle
Output AC Waveform (AC Mode)	Sinewave
Output (Watts)	495
Output AC Waveform (Battery Mode)	Pure Sine wave
Nominal Output Voltage(s) Supported	100V; 110V; 120V; 125V
Output Receptacles	(6) 5-15R
Individually Controllable Load Banks	Yes
BATTERY	
Battery Type	Lithium-ion (LiFePO4)
Runtime Full Load (min.)	7.7 min. (495W)
Runtime Half Load (min.)	15.2 min. (278W)
Expandable Runtime	No
DC System Voltage (VDC)	12.8
Battery Recharge Rate (Included Batteries)	2 Hours (0-100%)
Battery Access	Battery Door
Internal UPS Replacement Battery Cartridge	EBP-0805-L
Typical Battery Lifespan	Up to 10 Years
Lithium Batteries	Yes
Battery Management	ABM+ (Extends battery service life by 50% and uses real world battery usage to better predict when battery needs to be replaced)
VOLTAGE REGULATION	
Voltage Regulation Description	Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 89 to 162Vac at default input voltage of 120V
USER INTERFACE, ALERTS & CONTROLS	
Front Panel LCD Display	LCD graphical display
Switches	5 Buttons: Esc, Up, Down, Enter, On/Off; RPO / ROO
Audible Alarm	Audible alarm indicates utility failure, low-battery, overload, other UPS/Battery fault or remote shutdown



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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	175
UPS AC Suppression Response Time	Instantaneous
PHYSICAL	
Primary Form Factor	Rackmount
Rack Height	1U
Cooling Method	Internal Fan
Included Mounting Accessories	Wall Mount Brackets
Installation Form Factors Supported with Included Accessories	2 post 19 inch rackmount; 4 post 19 inch rackmount; Wallmount
Maximum Device Depth (cm)	36.09
Maximum Device Depth (in.)	14.210
Maximum Device Depth (mm)	361
Minimum Required Rack Depth (cm)	41.28
Minimum Required Rack Depth (inches)	16.25
Minimum Required Rack Depth without External Battery Pack (cm)	41
Minimum Required Rack Depth without External Battery Pack (in.)	16.25
Primary UPS Depth (mm)	361
Primary UPS Height (mm)	43
Primary UPS Width (mm)	438
Shipping Dimensions (hwd / in.)	7.17 x 23.07 x 19.53
UPS Housing Material	Steel
UPS Power Module Dimensions (hwd, in.)	1.700 x 17.240 x 14.210
UPS Power Module Weight (kg)	8.00
UPS Power Module Weight (lbs.)	17.640
Unit Dimensions (hwd / in.)	1.700 x 17.240 x 14.210
Unit Weight (lbs.)	17.640
Unit Weight (kg)	8.00
ENVIRONMENTAL	
Operating Temperature Range	32° to 104°F (0° to 40°C)
Storage Temperature Range	-13° to 131°F (-25° to 55°C)



Relative Humidity	0 - 95% Non Condensing
AC Mode Efficiency Rating (100% Load)	98.7%
Operating Elevation	0 - 9842.5 FT (0 - 3000 Meters)
Storage Elevation (ft.)	0 - 9842.5 FT
Audible Noise	40dB
COMMUNICATIONS	
Network Management Cards	Network-M3
Network Management Card Description	Network-M3 card sold separately
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)	89Vac
High Voltage Transfer to Battery Power (Setpoint)	162Vac
FEATURES & SPECIFICATIONS	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold Start Supported
High Availability UPS Features	Automatic Voltage Regulation (AVR); Hot swappable batteries; Pure sine wave output
Green Energy-Saving Features	Greater than 95% efficiency - GREEN UPS; Individually controllable load banks
APPLICATIONS	
UPS Applications	Retail/Point of Sale; Hospitality; Large Network; Audio/Video; Home Network
STANDARDS & COMPLIANCE	
Product Certifications	CAN/CSA-C22.2 No. 107.3 (Canada); EN 62040-1; NOM (Mexico); UL 1778; cTUVus
Product Compliance	ENERGY STAR Qualified; FCC Part 15 Class B (USA); REACH; RoHS; WEEE
WARRANTY & SUPPORT	
Product Warranty Period (U.S. & Canada)	5-year limited warranty