# Eaton 5P 1950VA 1920W 120V Line-Interactive UPS, 5-20P, 8x 5-20R Outlets, True Sine Wave, Cybersecure Network Card Option, 2U

MODEL NUMBER: **5P2200RT**







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

## Features

**1.95kVA/1.92kW/120V Battery Backup for Network Closets and Small Data Centers**
This 5P rack-mount line-interactive UPS system provides reliable battery backup for small business, education, retail, financial or healthcare networking components, including servers, VoIP phones, data storage and PoE switches. The 5P2200RT protects connected devices by providing 20 percent more wattage compared to traditional UPS systems.

**Reliable Battery Backup Keeps You Operational Through Power Outages**
Valve regulated lead acid (VRLA) battery modules allow you to work through short power failures and give you enough time to safely save files and shut down your system in case of a prolonged blackout. Exclusive ABM technology increases battery life by 50 percent and closely monitors battery health to provide advanced notice when batteries need replacing.

**Optional Gigabit Network Interface Offers 24/7 Remote Access**
The NETWORK-M2 Gigabit network 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-M2 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 business from these risks. An optional Environmental Monitoring Probe Gen 2 (EMPDT1H1C2, sold separately) provides a variety of environmental monitoring capabilities, including temperature and humidity conditions.

**NEMA 5-20R Outlets Protect Your Connected Components**
Eight managed 5-20R 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.

**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 backlight LCD automatically dims after 10 minutes of inactivity.

## Highlights

- Keeps equipment running during outages to allow time for file saves and safe shutdown
- Provides 20% more wattage compared to traditional UPS systems to protect devices
- Exclusive ABM technology with 3-stage charging increases internal battery life by 50%
- 5-button graphical LCD offers critical UPS data and load status at a glance
- Optional NETWORK-M2 Gigabit network card enables full remote access and control

## Package Includes

- 1950VA 1920W 120V 5P Line-Interactive UPS with 8 Outlets
- USB cable
- RS-232 cable
- Phillips screwdriver
- Mounting hardware
- (2) Tower pedestals
- Quick Start Guide

**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. By adding the optional RELAY-MS interface card (sold separately), a dry-contact relay port can be programmed through the LCD to provide reliable communications to automation and industrial components.

**Easy Installation Options**
You can mount the 5P2200RT in just 2U of space in an EIA-standard 19-inch rack using the included 4-post rail kit or an optional 2-post rail kit (RK2PA, sold separately). You can also install the UPS in a tower configuration with the included hardware. The eight-foot power cord with NEMA 5-20P plug connects to a compatible AC outlet.

# Specifications

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| **OVERVIEW** | |
| UPC Code | 743172039651 |
| UPS Type | Line-Interactive |
| **INPUT** | |
| Input Phase | Single-Phase |
| Nominal Input Voltage(s) Supported | 100V AC; 110V AC; 120V AC; 127V AC |
| UPS Input Connection Type | 5-20P |
| UPS Input Cord Length (ft.) | 8 |
| UPS Input Cord Length (m) | 2.4 |
| Input Plug Type | NEMA 5-20P |
| **OUTPUT** | |
| Output Capacity (VA) | 1950 |
| Output Capacity (kVA) | 1.95 |
| Output Capacity (Watts) | 1920 |
| Output Capacity (kW) | 1.92 |
| Power Factor | 0.98 |
| Nominal Voltage Details | 100V, 120V, 125V |
| Frequency Compatibility | 50 / 60 Hz |
| Load Management Receptacles | Two switchable outlet load banks |
| Output AC Waveform (AC Mode) | True Sine Wave |
| Output AC Waveform (Battery Mode) | Pure Sine wave |
| Nominal Output Voltage(s) Supported | 100V; 120V; 125V |
| Output Receptacles | (8) 5-20R |
| Individually Controllable Load Banks | Yes |

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| **BATTERY** | |
| Battery Type | Valve Regulated Lead Acid (VRLA) |
| Runtime Full Load (min.) | 3 min. (1920W) |
| Runtime Half Load (min.) | 9 min. (960W) |
| Expandable Runtime | No |
| Internal UPS Replacement Battery Cartridge |  <a class="productLink" href="//tripplite.eaton.com/Eaton-Internal-Replacement-Battery-2000VA-2200VA-5P-5PX-UPS~EBP-1002">EBP-1002</a>  |
| Battery Replacement Description | User replaceable batteries. |
| Battery Management | ABM technology (3-stage charging extends battery service life by 50% and provides advance warning for battery replacement) |
| **USER INTERFACE, ALERTS & CONTROLS** | |
| Front Panel LCD Display | LCD graphical display |
| Switches | RPO / ROO |
| Alarm Cancel Operation | Press ESC to silence the alarm |
| Audible Alarm | Audible alarm indicates utility failure, low-battery, overload, other UPS/Battery fault or remote shutdown conditions |
| LED Indicators | 3 status-indicating LEDs |
| **SURGE / NOISE SUPPRESSION** | |
| AC Suppression Joule Rating | 175 |
| **PHYSICAL** | |
| Primary Form Factor | Rackmount; Tower |
| Rack Height | 2U |
| Installation Form Factors Supported with Included Accessories | 4 post 19 inch rackmount |
| Minimum Required Rack Depth (cm) | 60.96 |
| Minimum Required Rack Depth (inches) | 24 |
| Primary UPS Depth (mm) | 515 |
| Primary UPS Height (mm) | 89 |
| Primary UPS Width (mm) | 450 |
| Unit Dimensions (hwd / in.) | 3.500 x 17.717 x 20.276 |
| Unit Dimensions (hwd / cm) | 8.89 x 45.00 x 51.50 |
| Unit Dimensions (hwd / mm) | 88.9 x 450 x 515 |
| Unit Dimensions (in.) | 3.5 x 17.71 x 20.27 |
| Unit Weight (lbs.) | 60.18 |
| Unit Weight (kg) | 27.30 |

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| **ENVIRONMENTAL** | |
| Operating Temperature Range | 32° to 104°F (0° to 40°C) |
| Relative Humidity | 20-95% non-condensing |
| AC Mode Efficiency Rating (100% Load) | 99 |
| **COMMUNICATIONS** | |
| Network Management Cards |  <a class="productLink" href="//tripplite.eaton.com/eaton-secure-gigabit-network-card-for-ups-systems~NETWORK-M2">NETWORK-M2</a>  |
| Network Management Card Description | Network Card Optional |
| Communications Interface | RS-232; USB |
| **FEATURES & SPECIFICATIONS** | |
| High Availability UPS Features | Automatic Voltage Regulation (AVR); Hot swappable batteries |
| **APPLICATIONS** | |
| UPS Applications | Large Network |
| **STANDARDS & COMPLIANCE** | |
| Product Certifications | cUL Listed; UL 497A; UL 1778; UL Listed |
| Product Compliance | CE (Europe); RoHS |
| **WARRANTY & SUPPORT** | |
| Product Warranty Period (U.S. & Canada) | 3-year limited warranty |
| Extended Service Plans | **ADVANCED DEPOT EXCHANGE**Service Part Number: 5SW5Y-2500UCExpedited parts coverage for 5 yearsParts, electronics and UPS batteries coverageNext business day shippingTechnical support**5-YEAR ON-SITE PLAN (US ONLY)**Service Part Number: WFLN75XX-2509UCOn-site parts and labor coverage for years 5Parts, electronics and UPS batteries coverage24x7 on-site labor coverage, next-day responseNext-day shippingTechnical support |

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