

2400W 120V 3U Rack-Mount Power Conditioner with Automatic Voltage Regulation (AVR), AC Surge Protection, 14 Outlets

MODEL NUMBER: LCR2400



Maintains usable 120V nominal output to sensitive electronics during severe brownouts and overvoltages. Prevents surges, spikes and line noise from damaging circuitry. Mounts in 3U of standard 19-inch rack space.

Description

The LCR2400 2400W 120V Power Conditioner adjusts under- and overvoltages to provide safe, computer-grade AC power that meets ANSI C84.1 specifications. Built-in automatic voltage regulation (AVR) offers three levels of voltage stabilization that correct undervoltages as low as 89V and overvoltages as high as 147V back to regulated 120V nominal power. Providing optimum voltage conditions not only extends the life of your equipment, but also keeps your equipment working through brownouts and prolonged overvoltage conditions.

A network-grade 1440-joule surge suppression rating exceeds the IEEE-587 standard for surge suppression (both categories A and B) and prevents even the strongest spikes from inflicting damage, data loss or corruption and audio/video performance problems on your connected equipment. EMI/RFI noise filtering protects your AC line from disruptive electromagnetic and radio interference.

Just connect the space-saving NEMA 5-15P right-angle plug with 12-foot cord to an AC power source, and plug up to 14 devices into the NEMA 5-15R outlets. The outlets are arranged in two isolated filter banks, which use Tripp Lite's exclusive Isobar® technology to prevent mutual interference from causing audio/video distortion, computer lockups or data errors. Front-panel diagnostic LEDs indicate AC power, incoming voltage level and AC line status. The LCR2400 mounts in 3U of standard 19-inch rack space using the included hardware.

Features

Protects Valuable Electronics Supports 120V 20A 2400W intermittently and 16A 1920W continuously when connected to a 120V 20A rated circuit Supports 120V 15A 1800W intermittently and 12A 1440W

Highlights

- Ideal for computers, routers, modems and home theater components
- Corrects under- and overvoltages in 89V–147V range
- Protects against spikes with 1440 joules of surge suppression
- Features 14 NEMA 5-15R outlets: 2 front and 12 rear
- Outlets arranged in dual Isobar isolated filter banks

Package Includes

- LCR2400 2400W 120V Power Conditioner
- Mounting hardware
- Owner's Manual



continuously when connected to a 120V 15A rated circuitIdeal for audio/video components, computer accessories, point-of-sale equipment and sound reinforcement systemsConnect up to 14 electronic devices to the NEMA 5-15R outlets: 2 in front and 12 in the rear12 ft. cord with NEMA 5-15P right-angle plug for easier connection in tight spacesMounts comfortably into 3U of 2- or 4-post rack configurations using included hardware

Automatic Voltage Regulation (AVR)Monitors incoming AC power and keeps equipment working through brownouts and prolonged overvoltage conditionsCorrects undervoltages as low as 89V and overvoltages up to 147V

AC Line Surge Suppression1440 joules of network-grade surge suppression protects against potentially harmful power surges and spikesIncludes full normal (H-N) and common (N-G/H-G) line surge suppression

EMI/RFI Line Noise FilteringRemoves electromagnetic and radio frequency interference that can disrupt or damage your equipment's performance

Exclusive Isolated Filter BanksOutlets arranged in dual isolated filter banks with Tripp Lite's exclusive Isobar filter bank technologyPrevents connected devices from interfering with one another and causing audio/video distortion, computer lockups and data errors

Built-In DiagnosticsFront-panel LEDs indicate AC power, incoming voltage level and line statusFront on/off switch provides one-touch power control over all components

Specifications

| OVERVIEW | |
|-------------------------------------|--|
| UPC Code | 037332040015 |
| INPUT | |
| Input Plug Type | NEMA 5-15P |
| Input Cord Length (ft.) | 12 |
| Input Cord Length (m) | 3.66 |
| OUTPUT | |
| Output Capacity Details | Supports 120V 20A 2400W intermittent and 16A 1920W continuously when connected to a 120V 20A rated circuit; Supports 120V 15A 1800W intermittent and 12A 1440W continuously when connected to a 120V 15A rated circuit |
| Output (Watts) | 2400 |
| Nominal Output Voltage(s) Supported | 120V |
| Output Receptacles | (14) 5-15R |
| VOLTAGE REGULATION | |
| Voltage Regulation Description | Maintains usable 120V nominal voltage during brownouts as low as 89VAC and over-voltages as high as 147VAC. Input voltages between 112V~127V are passed through unchanged. |
| Overvoltage Correction | Input voltages over 128V (+/-3V) are reduced by 10% |
| Brownout Correction | Input voltages between 111V (+/-3V) and 103V (+/-3V) are boosted by 9%. |
| Severe Brownout Correction | Input voltages below 102V (+/-3V) are boosted by 19%. |
| USER INTERFACE, ALERTS & CONTROLS | |
| Front Panel LEDs | 7 LEDs show incoming voltage status, protection present and line fault conditions |



| SURGE / NOISE SUPPRESSION | |
|--|--|
| UPS AC Suppression Joule Rating | 1440 |
| EMI / RFI AC Noise Suppression | 80 dB |
| PHYSICAL | |
| Form Factors Supported | Standard 19 inch rack mount format using 3 rack spaces (3U). |
| Material of Construction | Steel |
| Shipping Dimensions (hwd / cm) | 20.57 x 25.15 x 55.88 |
| Shipping Dimensions (hwd / in.) | 8.10 x 9.90 x 22.00 |
| Shipping Weight (kg) | 9.21 |
| Shipping Weight (lbs.) | 20.30 |
| Unit Dimensions (hwd / cm) | 13.34 x 48.26 x 19.7 |
| Unit Dimensions (hwd / in.) | 5.25 x 19 x 7.75 |
| WARRANTY | |
| Product Warranty Period (Worldwide) | 2-year limited warranty |
| Connected Equipment Insurance (U.S., Canada & Puerto Rico) | \$25,000 Ultimate Lifetime Insurance |

© 2020 Tripp Lite. All rights reserved. All product and company names are trademarks or registered trademarks of their respective holders. Use of them does not imply any affiliation with or endorsement by them. Tripp Lite has a policy of continuous improvement. Specifications are subject to change without notice. Tripp Lite uses primary and third-party agencies to test its products for compliance with standards. See a list of Tripp Lite's testing agencies: <https://www.tripplite.com/products/product-certification-agencies>