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.

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

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 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 circuitSupports 120V 15A 1800W intermittently and 12A 1440W 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 Filtering Removes electromagnetic and radio frequency interference that can disrupt or damage your equipment's performance

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

Built-In Diagnostics Front-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	
Nominal Input Voltage(s) Supported	120V AC
Maximum Input Amps	20
Maximum Input Watts	2400
Plug Type	5-15P
Input Plug Features	Right-Angled Plug
Input Frequency	60 Hz
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
Frequency Compatibility	60 Hz
Nominal Output Voltage(s) Supported	120V
Output Receptacles	(14) 5-15R
Output Nominal Voltage	120V
Outlet Details	10 black 5-15R (2 front panel, 8 rear panel) outlets with basic line filtering/ 4 white 5-15R (rear panel) with enhanced line filtering
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%

Undervoltage Correction	Input voltages between 111V (+/-3V) and 103V (+/-3V) are boosted by 9%.
Severe Undervoltage Correction	Input voltages below 102V (+/-3V) are boosted by 19%.
USER INTERFACE, ALERTS & CONTROLS	
Front Panel LEDs	7 LEDs (Very High Voltage, High Voltage, Normal Voltage, Low Voltage, Very Low Voltage, Line Fault, Line OK)
SURGE / NOISE SUPPRESSION	
EMI / RFI AC Noise Suppression	20 dB; 40 dB; 75 dB
AC Suppression Joule Rating	1440
PHYSICAL	
Material of Construction	Steel
Form Factors Supported	Standard 19 inch rack mount format using 3 rack spaces (3U).
Housing Color	Black
Receptacle Color	Black; white
Shipping Dimensions (hwd / in.)	8.10 x 9.90 x 22.00
Shipping Dimensions (hwd / cm)	20.57 x 25.15 x 55.88
Shipping Weight (lbs.)	20.30
Shipping Weight (kg)	9.21
Unit Dimensions (hwd / in.)	5.250 x 19.000 x 7.750
Unit Dimensions (hwd / cm)	13.34 x 48.26 x 19.7
Unit Weight (lbs.)	18.2
Unit Weight (kg)	8.26
STANDARDS & COMPLIANCE	
Product Compliance	RoHS
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	$25,000 Ultimate Lifetime Insurance

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