![Eaton - Powering Business Worldwide]

Industrial-Grade UPS System - Heavy-duty power protection for harsh industrial environments

MODEL NUMBER: **OM500RMX**

Description

Tripp Lite's OM500RMX line interactive, rack/din-rail mount UPS system in a ruggedized, industrial-grade steel cabinet protects sensitive electronics from blackouts, voltage fluctuations and transient surges. Shock, vibration, humidity and splash resistant design is built to withstand the harshest user environments, meeting MIL-STD-810 specifications. Occupies only 2 rack spaces (2U) in any 2 or 4 post 19 inch rackmount application with a maximum depth of only 17.5 inches. 500VA/300 watt maximum output power offers 5 minutes runtime at full load and 17 minutes at half load during power failures. Line interactive voltage regulation corrects brownouts as low as 75v and overvoltages as high as 147v to fully regulated 120v nominal output for smooth continuous operation of connected equipment. Hardwire input and output AC connections support a variety of customized application types. Includes DB9 monitoring port and cabling for unattended shutdown, remote control and monitoring of UPS system and power data. Compatible with Tripp Lite's PowerAlert monitoring software. 2 year warranty.

Features

- Ruggedized, industrial-grade steel cabinet resistant to shock, vibration, humidity and splash conditions, coated internal circuit boards built to operate in the harshest user environments

- 2U rackmount/din-rail mountable, occupies only 2 rack spaces (2U) in any standard 2-4 post 19 inch rack

- Versatile hardwire input and output connections Versatile hardwire input and output connections

- 500VA/300 watt output capacity accommodates a variety of sensitive electronic loads

- Compatible with North American 120V/60 Hz power as found in the USA, Canada and Mexico

- Offers 5 minutes runtime with a full load of 500VA and 17 minutes with a half load of 250VA

- Line interactive voltage regulation corrects severe brownouts and overvoltages from 75 to 147v back to normal 120v levels without using battery power

- Notification of system status via 4 LED display and multi-function audible alarms

- PowerAlert Software, available via free download from tripplite.eaton.com, provides e-mail or pager notification of power problems and the simultaneous automatic unattended shutdown of multiple servers

- Built-in DB9 communications port and cabling included for remote monitoring and unattended shutdown supports on battery, low battery and power restored messaging, as well as timed inverter shutoff after unattended shutdown

- User replaceable batteries allow on-site battery replacement without uninstalling the UPS

- UPS battery set ships fully assembled and ready for use, no time consuming, connection of individual internal batteries by user is necessary

- Operating temperature range of 32-104 Fahrenheit (0-40 C), Operating Humidity of 0-95% non-condensing

- FCC Class A (Business) listed, Meets MIL-STD-810

- 2 year manufacturers product warranty

Highlights

- Heavy-duty, industrial-grade metal housings
- Shock and vibration rated to MIL-STD-810D
- Adapts to 19 inch rackmount or DIN Rail mounting
- Hardwire AC input/output provide battery backup and surge protection
- Serial port works with free software (Web download) to facilitate unattended shutdown

Package Includes

- OM500RMX UPS System
- PowerAlert Software and cabling
- Mounting hardware
- Warranty information
- Instruction manual

Specifications

OVERVIEW	
UPC Code	037332116130

INPUT	
Recommended Electrical Service	15A 120V

Maximum Input Amps	2.8
Input Connection Type	Hardwire
Voltage Compatibility (VAC)	120

OUTPUT	
Frequency Compatibility	60 Hz
Output Nominal Voltage	120V
Output Voltage Regulation	LINE MODE: Sine wave line voltage 120V (-15% / +11%) BATTERY MODE: PWM sine wave output 120V +/-5%
Output Frequency Regulation	LINE MODE: Passes line frequency of 60Hz +/-10% BATTERY MODE: Inverter output regulated to 60Hz +/-0.5Hz
Overload Protection	Resettable circuit breaker

BATTERY	
Runtime Full Load (min.)	5 minutes (500VA)
Runtime Half Load (min.)	17 minutes (250VA)
DC System Voltage (VDC)	12
Battery Access	Battery access door allows user battery replacement
Typical Battery Lifespan	3-6 years, depending on usage
Battery Charge	2-4 hours to 90%

VOLTAGE REGULATION	
Voltage Regulation Description	Automatic Voltage Regulation (AVR) circuits maintain clean, regulated computer-grade 120V nominal output, without using battery power, during brownouts to 75V and overvoltages to 147V
Overvoltage Correction	Input voltages between 128 and 147V AC are reduced by 12%
Brownout Correction	Input voltages between 93 and 107V AC are boosted by 14%
Severe Brownout Correction	Input voltages between 75 and 92V AC are boosted by 30%

USER INTERFACE, ALERTS & CONTROLS	
Front Panel LEDs	Yes, 4 front-panel indicator LEDs confirm line power, battery power, voltage regulation and battery low / replace status
Switches	Yes, includes 2 front panel mounted push-button switches for system enable, self-test and alarm cancel functions - all controls and indicators are splash resistant
Audible Alarm	Audible alarm indicates power failure conditions

SURGE / NOISE SUPPRESSION	
EMI / RFI AC Noise Suppression	Yes
AC Suppression Response Time	Instantaneous

PHYSICAL	
Material of Construction	Steel

Form Factors Supported	2U rackmount, Din-rail mount
Shipping Dimensions (hwd / in.)	8.75 x 21.00 x 12.25
Shipping Dimensions (hwd / cm)	22.22 x 53.34 x 31.12
Shipping Weight (lbs.)	21.00
Shipping Weight (kg)	9.53
Unit Dimensions (hwd / in.)	3.438 x 17.312 x 7.750
Unit Dimensions (hwd / cm)	8.9 x 44.5 x 19.7
Unit Weight (lbs.)	17.6
Unit Weight (kg)	7.98

ENVIRONMENTAL

Relative Humidity	0 to 95%, non-condensing

COMMUNICATIONS

Network Monitoring Port	Includes 1 built-in DB9 monitoring port. Communications port supports on battery, low battery, power restored, AC line voltage, DC battery voltage, load percentage, battery charge current, battery capacity, internal UPS temperature, line frequency status
EPO Port	Includes RJ11 EPO (emergency power off) port and interconnection cable
SNMP Compatibility	Built-in accessory slot accommodates internal SNMP / Web card and other network accessories

LINE / BATTERY TRANSFER

Transfer Time (Line Power to Battery Mode)	2-4 milliseconds
Low Voltage Transfer to Battery Power	75V (resets to line power as voltage increases to 79V)
High Voltage Transfer to Battery Power	147V (resets to line power as voltage decreases to 144V)

WARRANTY & SUPPORT

Product Warranty Period (Worldwide)	2-year limited warranty
Optional Coverage	3-5 year warranties, plus next day and on-site warranty coverage available. Contact Tripp Lite for additional information.