850VA 480W 230V Line-Interactive UPS - 6 C13 Outlets, 2 Australian Outlet Adapters, LCD, USB, Tower

MODEL NUMBER: **OMNIVSX850A**







Desktop UPS offers complete power protection for small network applications, including home offices, security systems and digital signage.

Features

850VA/480W/230V Battery Backup for PCs, Home Theaters or Digital Signage
This OMNIVS® line-interactive UPS system with AVR protection provides reliable battery backup and AC power protection against blackouts, brownouts, overvoltages, surges and line noise that can damage valuable electronics or destroy data. The 230V battery backup is ideal protection for your home office, media center or commerce components, including computers, routers, printers, HDTVs, Blu-ray players, game consoles, ATMs, kiosks, security systems and digital signage equipment.

Allows Time to Back Up Critical Files During a Blackout
Backup support allows you to work through short power failures and gives you enough time to safely save files and shut down your system in case of a prolonged blackout. Backup time varies according to load, but the line-interactive UPS system should keep an energy-efficient desktop computer with small LCD monitor powered as long as 46 minutes. During normal operation, incoming utility power keeps the replaceable internal battery fully charged, so backup power will always be available.

6 IEC 320 C13 Outlets Protect Your Connected Components
All six C13 outlets provide battery backup and voltage regulation for your computer, monitor and other crucial components. Included outlet adapters with 30-centimeter cords convert two C13 outlets to 10A Australia/New Zealand-compatible outlets. A high >95% line mode efficiency rating reduces BTU emissions, energy consumption and, ultimately, your energy costs.

Automatic Voltage Regulation (AVR) Corrects Low- and High-Voltage Conditions
AVR protects your equipment from incremental hardware damage, data loss and performance problems caused by brownouts and overvoltages. The OMNIVSX850A can correct brownouts as low as 170V and overvoltages as high as 280V back to nominal 230V power continuously, all while keeping the battery fully charged and ready to take over in case of power failure.

312 Joules Fight Back Against Unexpected Power Surges
A 312-joule surge suppression rating protects connected components from the harmful effects of power surges.

Combats Electromagnetic Interference That Can Harm Equipment
EMI (electromagnetic interference) and RFI (radio frequency interference) line noise is a common cause

Highlights

- Protects equipment against blackouts, brownouts, transient surges and line noise
- Keeps AC power running during outages to allow time for file saves and safe shutdown
- Maintains line power operation with input voltage as low as 170V and as high as 280V
- 6 C13 outlets with 2 AUS/NZ adapters power and protect PCs and other equipment
- Easy-to-read LCD touchscreen provides valuable voltage, load and battery data

Applications

- Protect your PC and other sensitive electronics against power surges, line noise, brownouts, overvoltages and blackouts
- Operate essential equipment during short-term power outages using battery backup power
- Shut down desktop PCs and other equipment without data loss during long-term power outages
- Support small business phone systems, point-of-sale (POS) systems, kiosks and ATMs

Package Includes

- OMNIVSX850A 850VA 480W 230V Line-Interactive UPS with 6 Outlets
- (2) C13 to AUS/NZ outlet adapters, 30 cm
- USB cable
- Power cord with 10A AUS/NZ plug, 1.5 m
- Owner’s manual

of performance problems and can lead to incremental hardware damage, data corruption and audio/video transmission problems. The OMNIVSX850A incorporates technology that filters out disruptive line noise so that it won't affect your equipment.

Easy-to-Read LCD Touchscreen Reports Real-Time UPS and Power Status
The LCD touchscreen offers five screens of UPS and site power information when the OMNIVSX850A is operating in either on-line or battery power mode. It displays vital voltage, load and battery data, as well as critical fault status. An audible alarm will sound in case of low battery, excessive load and fault condition.

HID-Compliant USB Port Allows for Automatic Saves and Shutdowns
This port connects the OMNIVSX850A to a computer running free downloadable PowerAlert® software to enable safe unattended system shutdown in case of a prolonged power failure. USB cable is included. The UPS works with Windows, Mac and Linux operating systems.

Tower Form Factor for Easy Placement in Your Workspace or Media Center
The compact ABS housing fits easily on a desktop, shelf or anywhere else convenient to your workstation or home theater. Connect the C14 power inlet to a properly grounded AC wall outlet with a user-supplied power cord with country-specific plug. A detachable 1.5-meter power cord with 10A Australia/New Zealand input plug is included.

Specifications

OVERVIEW	
UPC Code	037332255228
UPS Type	Line-Interactive
INPUT	
Input Phase	Single-Phase
Rated input current (Maximum Load)	3.7
Nominal Input Voltage(s) Supported	230V AC
UPS Input Connection Type	AUS/NZ 10A; C14 inlet
Input Circuit Breakers	5A fuse
OUTPUT	
Output Capacity (VA)	850
Output Capacity (kVA)	0.85
Output Capacity (Watts)	480
Output Capacity (kW)	0.48
Nominal Voltage Details	230V nominal output in battery mode
Frequency Compatibility	50 / 60 Hz
Frequency Compatibility Details	Automatic frequency selection
Output Voltage Regulation (Battery Mode)	±10%
Hot-Swap PDU options	PDUBHV10 (2U / 8 C13 outlets)

Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	PWM sine wave
Nominal Output Voltage(s) Supported	220V; 230V; 240V
Output Receptacles	(6) C13
Individually Controllable Load Banks	No
BATTERY	
Battery Type	Valve Regulated Lead Acid (VRLA)
Runtime Full Load (min.)	1 min. (480W)
Runtime Half Load (min.)	5 min. (240W)
Expandable Runtime	No
DC System Voltage (VDC)	12
Battery Recharge Rate (Included Batteries)	Less than 8 hours from 10% to 90%
Internal UPS Replacement Battery Cartridge	RBC51
Battery Replacement Description	See manual for battery replacement information
VOLTAGE REGULATION	
Voltage Regulation Description	Automatic voltage regulation (AVR) maintains line power operation with a correction range from 170V to 280V
Overvoltage Correction	Input voltages between 247 and 280 are reduced by 15%
Undervoltage Correction	Input voltages between 170 and 207 are boosted by 18%
USER INTERFACE, ALERTS & CONTROLS	
Front Panel LCD Display	Touchscreen LCD indicates input voltage, output voltage, output load percentage and battery charge percentage; Supports additional fault reporting (see manual); Touchscreen LCD remains lighted for 20 seconds in line power mode after any user interaction and remains lighted full time in battery mode
Switches	Power switch offers whole UPS off/on power control
Alarm Cancel Operation	Alarm remains silent in battery power mode until low-battery condition occurs
Audible Alarm	Audible alarm indicates low-battery condition during battery mode operation
SURGE / NOISE SUPPRESSION	
UPS AC Suppression Joule Rating	312
UPS AC Suppression Response Time	Instantaneous
EMI / RFI AC Noise Suppression	Yes
PHYSICAL	
Primary Form Factor	Tower
Rack Height	0U

Installation Form Factors Supported with Included Accessories	Tower
Primary UPS Depth (mm)	345
Primary UPS Height (mm)	160
Primary UPS Width (mm)	122
Shipping Dimensions (hwd / in.)	10.00 x 6.90 x 16.10
Shipping Weight (kg)	6.85
UPS Housing Material	ABS
UPS Power Module Dimensions (hwd, in.)	6.3 x 4.8 x 13.6
UPS Power Module Weight (kg)	5.99
UPS Power Module Weight (lbs.)	13.2
Unit Dimensions (hwd / in.)	6.300 x 4.800 x 13.600
Unit Weight (lbs.)	13.200
Unit Weight (kg)	5.99
ENVIRONMENTAL	
Operating Temperature Range	32° to 104°F (0° to 40°C)
Storage Temperature Range	5° to 122°F (-15° to 50°C)
Relative Humidity	Up to 90%, non-condensing
AC Mode BTU / Hr. (Full Load)	62
AC Mode Efficiency Rating (100% Load)	>95%
Audible Noise	Less than 40dB front side 1m
COMMUNICATIONS	
Network Monitoring Port Description	Supports detailed monitoring of UPS and site power conditions
PowerAlert Software	For local monitoring via the UPS's built-in communication ports, download PowerAlert software at https://tripplite.eaton.com/products/power-alert
Communications Cable	USB cabling included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
Network Management Card Description	Network management not supported
Communications Interface	USB (HID enabled)
LINE / BATTERY TRANSFER	
Transfer Time	6 milliseconds
Low Voltage Transfer to Battery Power (Setpoint)	170V
High Voltage Transfer to Battery Power (Setpoint)	280V

FEATURES & SPECIFICATIONS	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Automatic Voltage Regulation (AVR); Surge/noise protection
Green Energy-Saving Features	Greater than 95% efficiency - GREEN UPS
APPLICATIONS	
UPS Applications	Home/Office Desktop; Computer/Peripherals
STANDARDS & COMPLIANCE	
Product Certifications	AS/NZS 4417
Product Compliance	RoHS; CE (Europe)
WARRANTY & SUPPORT	
Product Warranty Period (International)	2-year limited warranty

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