

# 850VA 480W Line-Interactive UPS with 6 C13 Outlets - AVR, 230V, C14 Inlet, LCD, USB, Tower

# MODEL NUMBER: OMNIVSX850



Line-interactive UPS provides basic battery backup with automatic voltage regulation for your office computer or home theater setup.

### Features

**850VA/480W/230V Battery Backup for PCs, Home Theater or Digital Signage**This 230V UPS 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 six-outlet 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, security systems and digital signage equipment.

Allows Time to Back Up Critical Files During a BlackoutBackup 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.

**Connects Your Equipment to 6 Protected C13 Outlets**All six C13 outlets provide both battery backup and surge protection for your computer, monitor and other crucial components. Two 1.5-meter C13-to-C14 power cables are included for connecting equipment. 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 OMNIVSX850 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**Various electromagnetic and radio sources found in virtually every home and business can cause disruptive interference on the AC line. Known as EMI (electromagnetic interference) and RFI (radio frequency interference), this line noise is a common cause of performance problems and can lead to incremental hardware damage, data corruption

## Highlights

- Protects equipment against blackouts, brownouts, overvoltages, surges and line noise
- AVR battery backup allows time to save files and safely shut down during blackouts
- 6 C13 outlets provide power to PC, home theater or digital signage equipment
- Easy-to-read LCD touchscreen provides valuable voltage, load and battery data
- High >95% efficiency with low BTU ratings saves power and lowers your energy costs

### 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 PCs, DVRs, routers and other equipment without data loss during long-term power outages

### Package Includes

- OMNIVSX850 850VA 480W Line-Interactive UPS with 6 Outlets
- USB cable
- (2) C13-to-C14 power cables, 1.5 m
- Owner's manual



and audio/video transmission problems. The OMNIVSX850 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 OMNIVSX850 is operating in either online 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 OMNIVSX850 to a computer running Tripp Lite's free downloadable PowerAlert® software to enable safe unattended file saves and 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.

# **Specifications**

OVERVIEW		
UPC Code	037332218155	
UPS Type	Line-Interactive	
INPUT		
Rated input current (Maximum Load)	3.7	
Nominal Input Voltage(s) Supported	230V AC	
UPS Input Connection Type	C14 inlet	
Input Circuit Breakers	5A fuse	
Input Phase	Single-Phase	
OUTPUT		
Output Volt Amp Capacity (VA)	850	
Output Watt Capacity (Watts)	480	
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	



Nombal     2000; 2000; 2000; 2000       Output Receptacies     (6) C13       Individually Controllable Load Banks     No <b>BATTERY</b> Battery Type     Valve Regulated Load Acid (VRLA)       Hall Load Runtime (min.)     5 minutes (240 watts)       Schwart Redunder (min.)     5 minutes (240 watts)       Dispandable Runtime     No       Dispandable Runtime     Resultation Information Inform	[	r		
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Automime (min.)     S minutes (240 watts)       Expandable Runtime     No       DC System Votage (VDC)     12       Battery Recharge Rate (Included Battery)     Less than 8 hours from 10% to 90%.       Internal UPS Replacement Battery     Snbspa class-*productLink* href="//www.tippile.com/UPS-Replacement-Battery-Cartridge-Tripp-Lite-APC-Belkin- Best Powerware-Liebert-other-UPS-RECS1>RECS1>REDS1>REDS1>REPOWERT       Vottage Regulation Description     See manual for battery replacement information       Vottage Regulation Description     Automatic voltage regulation (AVR) maintains line power operation with a correction range from 170V to 280V       Vervetage 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 & COVTLS     Supports additional fault reporting (see manual); Toucfiscreen LCD formatins 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 offlop power control       Audible Alarm     Audible alarm indicates low-battery condition during battery condition occurs       Audible Alarm     Audible alarm indicates low-battery condition during battery mode operation       Brever switch offers whole UPS offlop power control     Input voltage correction	BATTERY			
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     Snbap-ca class="productLink" href="//www.tipplite.com/UPS-Replacement-Battery-Cartridge-Tripp-Lite-APC-Belkin-Best-Powenvare-Liebert-other-UPS-REG51'xBBC51'xda-Snbsp;       Battery Replacement Description     Sce manual for battery replacement information       VOLTAGE REGULATION     Voltage Regulation Description       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%       Undervoltage Correction     Input voltages between 170 and 207 are boosted by 18%       Undervoltage Correction     Input voltages between 170 and 207 are boosted by 18%       Undervoltage Correction     Input voltages between 247 and 280 are reduced by 15%       Stripports additional fault reporting (see manual); Touchscreen LCD Insite or mode after any user interaction and remains Bighted 101 are instite or 20 seconds in line power mode after any user interaction and remains Bighted 10 r 20 seconds in line power mode after any user interaction and remains Bighted 10 r 20 seconds in line power mode after any user interaction and remanis Bighted 10 r	Battery Type	Valve Regulated Lead Acid (VRLA)		
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Better Pecharge Rate (Included Batteries)     Less than 8 hours from 10% to 90%.       Internal UPS Replacement Battery     Anbspca class="productLink" href="//www tripplite.com/UPS-Replacement-Battery-Cartridge-Tripp-Lite-APC-Belkin-Best-Powerare-Libeertuber-RES-TS-RECS1-XB-ABrbsp.       Battery Replacement Description     See manual for battery replacement information       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 15%       USER INTERFACE, ALERTS & CONCUS     Support 200 are reduced by 15%       Front Panel LCD Display     Touchscreen LCD indicates input voltage, output voltage, output voltage and battery range 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 condition occurs       Audible Alarm     Audible alarm indicates low-battery condition during battery mode operation       UPS AC Suppression Joule Rating     112       UPS AC Suppression Joule Rating     112       UPS AC Suppressi	Expandable Runtime	No		
Batteries)     Close that is notes itom trove boys       Internal UPS Replacement Battery     & hbsp;-a class='product.Link' href='//www.tripplite.com/UPS-Replacement-Battery-Cartridge-Tripp-Lite-APC-Belkin- Battery Replacement Description     See manual for battery replacement information       Voltage Regulation Description     See manual for battery replacement information       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 & COVELS     Subscreen LCD indicates input voltage, output voltage, output load percentage and battery charge percentage: mode after any user interaction and remains lighted full time in battery mode       Switches     Power switch offers whole UPS off/on power control       Audible alarm     Audible alarm indicates low-battery condition during battery mode operation       Surger / NOISE SUPPRESSION     Instantaneous       UPS AC Suppression Joule Rating     312       UPS AC Suppression Pactor     Tower       Phrinary Form Factor     Tower       Primary UPS Depth (mm)     345	DC System Voltage (VDC)	12		
Cartridge     Best-Powerware-Liebert-other-UPS-REC51*/REC51*/REC51*/a>&httpsp     Totation       Battery Replacement Description     See manual for battery replacement information       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 247 and 280 are reduced by 15%       Undervoltage Correction     Input voltages between 170 and 207 are boosted by 18%       Undervoltage Correction     Input voltages between 170 and 207 are boosted by 18%       Undervoltage Correction     Input voltages between 170 and 207 are boosted by 18%       Undervoltage Correction     Input voltages between 247 and 280 are reduced by 15%       Undervoltage Correction     Input voltages between 170 and 207 are boosted by 18%       Undervoltage Correction     Input voltages between 247 and 280 are reduced by 15%       Stepsen     Touchscreen LCD indicates input voltage, output voltage, output voltage, output voltage, output load percentage and battery charge percentage; mode after any user interaction and remains lighted full lime in battery mode       Switches     Power switch offers whole UPS off/on power control       Audible Alarm     Audible alarm indicates low-battery condition during battery mode operat		Less than 8 hours from 10% to 90%		
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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       Surger / NOISE SUPPRESSION     Instantaneous       UPS AC Suppression Joule Rating     312       Instantaneous     Instantaneous       EMI / RFI AC Noise Suppression     Yes       Primary Form Factor     Tower       Installation Form Factors Supported with Included Accessories     Tower       Primary UPS Depth (mm)     345	Voltage Regulation Description	Automatic voltage regulation (AVR) maintains line power operation with a correction range from 170V to 280V		
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Audible Alarm   Audible alarm indicates low-battery condition during battery mode operation     SURGE / NOISE SUPPRESSION   UPS AC Suppression Joule Rating     UPS AC Suppression Joule Rating   312     UPS AC Suppression Response   Instantaneous     EMI / RFI AC Noise Suppression   Yes     Primary Form Factor   Tower     Installation Form Factors Supported with Included Accessories   Tower     Primary UPS Depth (mm)   345	Switches	Power switch offers whole UPS off/on power control		
SURGE / NOISE SUPPRESSION     UPS AC Suppression Joule Rating   312     UPS AC Suppression Response   Instantaneous     EMI / RFI AC Noise Suppression   Yes     PHYSICAL   Tower     Installation Form Factors Supported with Included Accessories   Tower     Primary UPS Depth (mm)   345	Alarm Cancel Operation	Alarm remains silent in battery power mode until low-battery condition occurs		
UPS AC Suppression Joule Rating   312     UPS AC Suppression Response   Instantaneous     EMI / RFI AC Noise Suppression   Yes     PHYSICAL     Primary Form Factor   Tower     Installation Form Factors Supported with Included Accessories   Tower     Primary UPS Depth (mm)   345	Audible Alarm	Audible alarm indicates low-battery condition during battery mode operation		
UPS AC Suppression Response   Instantaneous     EMI / RFI AC Noise Suppression   Yes     PHYSICAL   Tower     Installation Form Factors Supported with Included Accessories   Tower     Primary UPS Depth (mm)   345	SURGE / NOISE SUPPRESSION			
Time Instantaneous   EMI / RFI AC Noise Suppression Yes   PHYSICAL Tower   Primary Form Factors Supported with Included Accessories Tower   Primary UPS Depth (mm) 345	UPS AC Suppression Joule Rating	312		
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Installation Form Factors Supported with Included Accessories Tower   Primary UPS Depth (mm) 345	PHYSICAL			
with Included Accessories Item 1   Primary UPS Depth (mm) 345	Primary Form Factor	Tower		
	Installation Form Factors Supported with Included Accessories	Tower		
Primary UPS Height (mm) 160	Primary UPS Depth (mm)	345		
	Primary UPS Height (mm)	160		



Primary UPS Width (mm)	122	
Shipping Dimensions (hwd / in.)	9.80 x 14.20 x 23.60	
Shipping Weight (kg)	6.49	
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	
ENVIRONMENTAL		
Operating Temperature Range	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius	
Storage Temperature Range	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius	
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 Local software at https://www.tripplite.com/poweralert	
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	



STANDARDS & COMPLIANCE		
UPS Certifications	CE; Tested to EAC (Belarus, Kazakhstan, Russia)	
Certification Details	IEC 62040-1:2008+A1:2013; EN62040-2:2006, IEC62040-2:2016, Category C2	
WARRANTY		
Product Warranty Period (International)	2-year limited warranty	

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