# 850VA 480W Line-Interactive UPS with 4 Schuko CEE 7/7 Outlets - AVR, 230V, 1.5 m Cord, LCD, USB, Tower

MODEL NUMBER: **OMNIVSX850D**

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 four-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 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.

**Connects Your Equipment to 4 Protected Schuko CEE 7/7 Outlets**All four Schuko outlets provide both battery backup and surge protection for your computer, monitor and other crucial components. 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 OMNIVSX850D 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
- 4 Schuko 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

- OMNIVSX850D 850VA 480W Line-Interactive UPS with 4 Outlets
- USB cable
- Owner’s manual

and audio/video transmission problems. The OMNIVSX850D 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 OMNIVSX850D 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 OMNIVSX850D to a computer running 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. The 1.5-meter power cord with Schuko CEE 7/7 plug connects to a properly grounded AC wall outlet.

# Specifications

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|---|---|
| **OVERVIEW** | |
| UPC Code | 037332218131 |
| 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 | CEE 7/7 Schuko |
| Input Circuit Breakers | 5A breaker |
| UPS Input Cord Length (ft.) | 5 |
| UPS Input Cord Length (m) | 1.5 |
| **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% |
| Output Receptacle Details | Includes Schuko CEE 7/7 outlets |

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|---|---|
| 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 | (4) CEE7/7 |
| 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 |  <a class="productLink" href="//tripplite.eaton.com/UPS-Replacement-Battery-Cartridge-Tripp-Lite-APC-Belkin-Best-Powerware-Liebert-other-UPS~RBC51">RBC51</a>  |
| 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 |

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| 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.) | 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 |
| 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 |
| **STANDARDS & COMPLIANCE** | |
| Product Certifications | IEC/EN 62040 |
| Product Compliance | RoHS; CE (Europe); EAC (Belarus, Kazakhstan, Russia); UKCA |
| **WARRANTY & SUPPORT** | |
| Product Warranty Period (International) | 2-year limited warranty |

1000 Eaton Boulevard
Cleveland, OH 44122
United States
https://tripplite.eaton.com

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