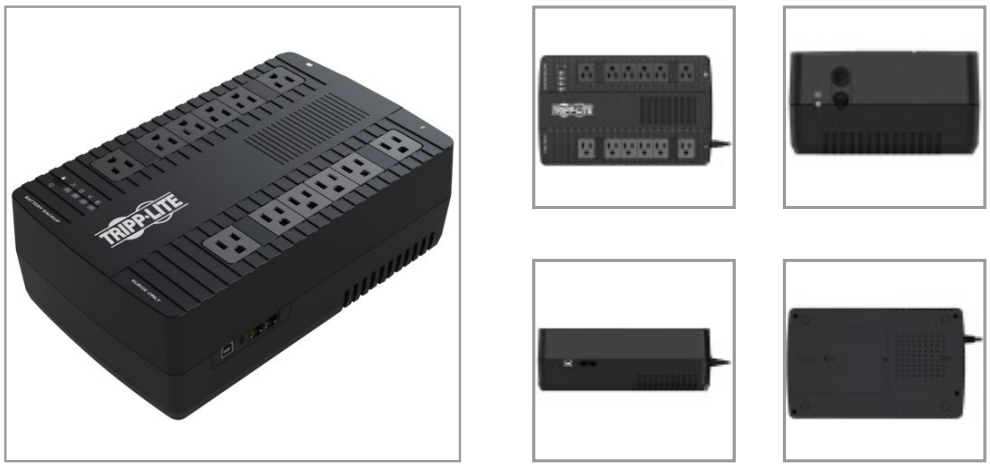
1050VA 540W 120V Line-Interactive UPS - 12 NEMA 5-15R Outlets, Double-Boost AVR, USB, Desktop/Wall-Mount

MODEL NUMBER: **OMNISMART1050MX**



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

Features

1.05kVA/540W/120V Battery Backup for PCs, Home Theaters or Digital Signage
This OmniSmart® 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 120V 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 Backup 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 internal battery should keep a half load (270W) powered as long as nine minutes and a full load (540W) up to 3.6 minutes. During normal operation, incoming utility power keeps the replaceable internal battery fully charged, so backup power will always be available.

12 NEMA 5-15R Outlets Protect Your Connected Components
Six 5-15R outlets provide battery backup, surge protection and voltage regulation for your computer, monitor and other crucial components. The other six 5-15R outlets provide surge suppression only for printers, speakers and other desktop equipment regarded as non-essential during a blackout. In addition, RJ45 jacks protect a telephone/DSL dial-up or 10BaseT Ethernet connection.

Double-Boost AVR Corrects Low/High-Voltage Conditions for Enhanced Performance
A double-boost, single-cut AVR (Automatic Voltage Regulation) circuit, designed specifically for the LATAM region, protects your equipment from incremental hardware damage, data loss and performance problems caused by brownouts and overvoltages. Slight under-voltages as low as 93V are boosted by 13%. More severe brownouts as low as 78V are increased by 35%. A voltage cut of 16% reduces UPS output during overvoltage conditions as high as 152V, all while keeping the battery fully charged and ready to take over in case of power failure.

600 Joules Fight Back Against Unexpected Power Surges
A 600-joule surge suppression rating protects connected components from the harmful effects of power surges.

Highlights

- Protects equipment against blackouts, brownouts, transient surges and line noise
- Keeps AC power running during blackouts to allow time for file saves and safe shutdown
- Double-boost AVR maintains 120V nominal output during brownouts and overvoltages
- 12 NEMA 5-15R outlets power and protect PC, home theater or digital signage equipment
- High >98.3% efficiency and low BTU ratings save electricity and lower 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 desktop PCs and other equipment without data loss during long-term power outages
- Extend runtime for DVRs, wireless routers and other low-power home network equipment

Package Includes

- OMNISMART1050MX 1050VA 540W 120V Line-Interactive UPS with 12 Outlets
- USB cable
- Owner’s manual

Designed for High Efficiency to Help You Save Money and Protect the Environment
A >98.3% efficiency rating reduces BTU emissions, energy consumption and, ultimately, your energy costs.

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 and audio/video transmission problems. The OMNISMART1050MX incorporates technology that filters out disruptive line noise so that it won't affect your equipment.

Alarm and Diagnostic LEDs Keep You Informed 24/7
The alarm sounds to report low battery, battery replace, overload and fault condition. A set of 4 LEDs reports AC line present (green), battery mode (yellow), overload/low battery (red) and battery replace (red).

USB Port Allows for Automatic Saves and Shutdowns
The HID-compliant USB port connects the UPS 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.

Compact Housing Compatible with Easy Desktop or Wall-Mount Installation
The space-saving UPS fits on a desktop, shelf or any other flat surface convenient to your workstation or home theater. Keyhole mounting tabs on the rear allow easy wall installation. The seven-foot power cord with space-saving right-angle NEMA 5-15P plug connects to any compatible AC outlet.

Specifications

OVERVIEW	
UPC Code	037332258182
UPS Type	Line-Interactive
INPUT	
Input Phase	Single-Phase
Rated input current (Maximum Load)	12A
Nominal Input Voltage(s) Supported	120V AC
Nominal Input Voltage Description	Supports input voltages from 78 to 152V
UPS Input Connection Type	5-15P; Right-Angled
Input Circuit Breakers	15A @ 120V
UPS Input Cord Length (ft.)	7
UPS Input Cord Length (m)	2.1
Input Frequency	60 Hz (±3%)
OUTPUT	
Output Capacity (VA)	1050
Output Capacity (kVA)	1.05

Output Capacity (Watts)	540
Output Capacity (kW)	0.54
Output Capacity Details	Supports 125% load for 10 minutes, 20 seconds (load PF=1.0); Supports 110% for up to 27 seconds
Power Factor	0.6
Nominal Voltage Details	120v nominal output in AC and battery modes
Frequency Compatibility	60 Hz
Frequency Compatibility Details	60 Hz (±3%) tolerance
Output Voltage Regulation (Line Mode)	120V~ (+8% / -15%)
Output Voltage Regulation (Battery Mode)	120V (±5%)
UPS Output Receptacles (Surge Suppression Only)	6 UPS outlets, 6 surge-only outlets
Output AC Waveform (AC Mode)	Pure sine wave
Output AC Waveform (Battery Mode)	PWM sine wave
Nominal Output Voltage(s) Supported	120V
Output Receptacles	(12) 5-15R
Output Amp Capacity	8.8A @ 120V~
Individually Controllable Load Banks	No
BATTERY	
Battery Type	Valve Regulated Lead Acid (VRLA)
Runtime Full Load (min.)	3.6 min. (540W)
Runtime Half Load (min.)	9 min. (270W)
Expandable Runtime	No
DC System Voltage (VDC)	12
Battery Recharge Rate (Included Batteries)	5 hours to 90%
Battery Access	Battery access door
Battery Replacement Description	Replaceable internal batteries (see manual)
VOLTAGE REGULATION	
Voltage Regulation Description	Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 78 to 152
Overvoltage Correction	Input voltages between 128 and 152 are cut by 16%
Undervoltage Correction	Input voltages between 93 and 108 are boosted by 13%
Severe Undervoltage Correction	Input voltages between 78 and 93 are boosted by 35%
USER INTERFACE, ALERTS & CONTROLS	

Switches	Switch supports On/Off power control (release after 3 seconds), UPS battery-test (line mode only, release after 5 seconds), Alarm-mute (battery mode only, release after 0.5 seconds)
Alarm Cancel Operation	Manual alarm-cancel supported
Audible Alarm	Alarm sounds to report Battery-mode operation, Low-battery status, Overload status and UPS Battery test modelow-battery, fault, overload and replace-battery conditions
LED Indicators	2 Status LEDs; GREEN indicates power status and operating mode / RED indicates battery-low, overload, replace-battery and fault conditions (see manual)
SURGE / NOISE SUPPRESSION	
UPS AC Suppression Joule Rating	600
UPS AC Suppression Response Time	Instantaneous
UPS Dataline Suppression	1 line TEL/DSL or Ethernet
EMI / RFI AC Noise Suppression	Yes
PHYSICAL	
Primary Form Factor	Desktop
Rack Height	0U
Installation Form Factors Supported with Included Accessories	Tower; Ultra-compact desktop; Wallmount
Primary UPS Depth (mm)	305
Primary UPS Height (mm)	105
Primary UPS Width (mm)	190
Shipping Dimensions (hwd / in.)	10.71 x 6.30 x 15.00
Shipping Weight (kg)	7.10
UPS Power Module Dimensions (hwd, in.)	4.14 x 7.48 x 12
UPS Power Module Weight (kg)	6.60
UPS Power Module Weight (lbs.)	14.55
Unit Dimensions (hwd / in.)	4.140 x 7.480 x 12.000
Unit Weight (lbs.)	14.550
Unit Weight (kg)	6.60
ENVIRONMENTAL	
Operating Temperature Range	32° to 104°F (0° to 40°C)
Storage Temperature Range	5° to 113°F (-15° to 45°C)
Relative Humidity	0 to 90%, non-condensing
AC Mode BTU / Hr. (Full Load)	36.86
AC Mode Efficiency Rating (100% Load)	>98.4%
Operating Elevation	0-10000 ft. (0-3000 m)

COMMUNICATIONS	
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 interface cable 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	2-6 milliseconds (typical), 10 milliseconds (max)
Low Voltage Transfer to Battery Power (Setpoint)	78
High Voltage Transfer to Battery Power (Setpoint)	152
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
Grounding Details	Includes side-panel grounding lug
APPLICATIONS	
UPS Applications	Home/Office Desktop
STANDARDS & COMPLIANCE	
Product Certifications	RETIE (Colombia); CSA (Canada); NOM (Mexico); UL 1778
Product Compliance	RoHS; EAC (Belarus, Kazakhstan, Russia); ENERGY STAR Qualified; FCC Part 15 Class A (USA)
WARRANTY & SUPPORT	
Product Warranty Period (U.S. & Canada)	2-year limited warranty
Product Warranty Period (Latin America)	2-year limited warranty
Product Warranty Period (International)	2-year limited warranty
Product Warranty Period (Mexico)	2-year limited warranty

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

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