



# THE DATASHEET OF OMNI SMT700PNP



## OmniSmart 120V 700VA 450W Line-Interactive UPS, Tower USB port, DB9 Serial

MODEL NUMBER: **OMNISMART700**



### Highlights

- 700VA tower 120V line interactive UPS
- Corrects brownouts and overvoltages from 75V to 147V
- 3 UPS battery supported outlets, 3 surge-only outlets
- USB port, TEL/DSL protection, Front panel status LEDs
- NEMA 5-15P input plug and 6 NEMA 5-15R outlets

### Package Includes

- OMNISMART700 UPS System
- DB9, USB and telephone interconnection cables
- Instruction manual with warranty information

### Description

Tripp Lite's OMNISMART700 line-interactive UPS system offers voltage regulation, surge suppression and long-lasting battery support for personal computers, internetworking equipment and other sensitive electronics. Supports entry-level PC systems for up to 45 min. during power failures so that connected equipment can be shut down without data loss. Automatic voltage regulation (AVR) circuits regulate brownouts as low as 75V and overvoltages as high as 147V back to normal 120V levels without consuming battery power. Offers complete desktop power protection in an attractive black upright tower configuration. Includes 3 battery-supported outlets for computer, monitor and one vital system peripheral, plus 3 additional surge suppression-only outlets for printers and other system accessories not requiring battery support. DB9 port and HID-compliant USB port enable optional unattended system shutdown without data loss in the case of extended power failure, cabling included. HID-compliant USB port enables integration with built-in power management and auto shutdown features of Windows and Mac OS X. PowerAlert software is available via free download. Built-in dataline protection jacks offer protection of a single dialup tel/DSL line or network Ethernet connection. Built-in audible alarm and 4 front panel LEDs indicate line power status, battery power status, battery low/replace status and overload. 700VA/450W power-handling ability supports entry-level PCs, network workstations, point-of-sale equipment, small business phone systems, audio/video equipment and home theater systems. Provides 2.2 min. battery runtime with a full load of 700VA/450W and 8.3 min. with a half load of 350VA/225W. Supports user battery replacement via built-in access panel. \$200,000 Ultimate Lifetime Insurance (USA and Canada Only).

### Features

- OMNISMART700 line-interactive UPS system offers voltage regulation and battery support, plus complete AC and tel/DSL/Ethernet line surge suppression
- Supports entry-level PC systems for up to 45 min. during power failures to enable safe system shutdown
- Supports a full load of 700VA/450W for 2.2 min. and a half load of 350VA/225W for 8.3 min.
- Automatic voltage regulation (AVR) circuits correct brownouts as low as 75V and overvoltages as high



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as 147V back to normal 120V levels without consuming battery power

- Attractive black tower configuration
- Includes 6 NEMA 5-15R outlets: 3 battery-supported and 3 surge suppression-only outlets. 6-ft. AC line cord with NEMA 5-15P plug
- DB9 port and HID-compliant USB port enable data-saving unattended shutdown when used with Tripp Lite's PowerAlert software, available via FREE download from [tripplite.eaton.com/products/power-alert](http://tripplite.eaton.com/products/power-alert)
- HID-compliant USB port enables integration with built-in power management and auto shutdown features of Windows and Mac OS X
- Supports Tripp Lite's WatchDog software application to restore unresponsive programs by automatically restarting them and rebooting completely locked computers by automatically switching UPS power off and back on again (part # WATCHDOGSW)
- Dataline suppression jacks protect a single dialup tel/DSL line or network Ethernet line connection
- Audible alarm and 4 front panel LEDs indicate UPS system and line power status
- 700VA/425W power-handling ability supports a variety of computer, internetworking, telecom and consumer electronics equipment
- Supports hot-swap battery replacement via built-in access panel
- Optional PDUB15 bypass PDU enables hot-swappable UPS replacement with no disruption to connected equipment
- Compatible with 120V/60Hz applications for USA, Canada, Mexico and more
- \$200,000 Ultimate Lifetime Insurance (USA and Canada Only)

## Specifications

OVERVIEW	
UPC Code	037332034144
UPS Type	Line-Interactive
INPUT	
Input Phase	Single-Phase
Rated input current (Maximum Load)	12A
Nominal Input Voltage(s) Supported	120V AC
UPS Input Connection Type	5-15P
UPS Input Cord Length (ft.)	6
UPS Input Cord Length (m)	1.8
Recommended Electrical Service	15A 120V
OUTPUT	
Output Capacity (VA)	700
Output Capacity (Watts)	450
Nominal Voltage Details	115v nominal output in battery mode
Frequency Compatibility	60 Hz
Output Voltage Regulation (Line Mode)	-18%, +8%

Output Voltage Regulation (Battery Mode)	+/- 5%
UPS Output Receptacles (Surge Suppression Only)	3 UPS outlets, 3 surge-only outlets
Hot-Swap PDU options	PDUB15 (2U / 8 5-15R outlets)
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	PWM sine wave
Nominal Output Voltage(s) Supported	110V; 115V; 120V
Output Receptacles	(6) 5-15R
Individually Controllable Load Banks	No
<b>BATTERY</b>	
Runtime Full Load (min.)	2.2 min. (450w)
Runtime Half Load (min.)	8.3 min. (225w)
Expandable Runtime	No
DC System Voltage (VDC)	12
Battery Recharge Rate (Included Batteries)	Less than 4.5 hours from 10% to 90%
Battery Access	Battery access door
Internal UPS Replacement Battery Cartridge	&nbsp;<a class="productLink" href="//tripplite.eaton.com/UPS-Replacement-Battery-Cartridge-Tripp-Lite-APC-Belkin-Best-Powerware-Liebert-other-UPS~RBC51">RBC51</a>&nbsp;
Battery Replacement Description	Hot-swappable, user replaceable batteries
<b>VOLTAGE REGULATION</b>	
Voltage Regulation Description	Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 75 to 147
Overvoltage Correction	Input voltages between 128 and 147 are reduced by 12%
Undervoltage Correction	Input voltages between 93 and 107 are boosted by 14%
Severe Undervoltage Correction	Input voltages between 75 and 92 are boosted by 30%
<b>USER INTERFACE, ALERTS &amp; CONTROLS</b>	
Switches	2 Switches control off/on power status and alarm-cancel/self-test operation
Alarm Cancel Operation	Power-fail alarm can be silenced using alarm-cancel switch; once silenced, alarm will re-sound to indicate low-battery status
Audible Alarm	Audible alarm indicates power-failure and low-battery conditions
LED Indicators	4 LEDs indicate line power, battery power, overload and battery low/replace status
<b>SURGE / NOISE SUPPRESSION</b>	
UPS AC Suppression Joule Rating	510
UPS AC Suppression Response Time	Instantaneous

UPS Dataline Suppression	1 line TEL/DSL (1 in / 1 out); 10/100Base T Ethernet
EMI / RFI AC Noise Suppression	Yes
AC Suppression Joule Rating	510
AC Suppression Response Time	Instantaneous
Dataline Suppression	1 line TEL / DSL or 10Base T Ethernet protection
<b>PHYSICAL</b>	
Primary Form Factor	Tower
Installation Form Factors Supported with Included Accessories	Tower
Installation Form Factors Supported with Optional Accessories	Wallmount ( <a href="https://tripplite.eaton.com/Wall-Mount-Bracket-Installation-Accessories-for-UPS-Systems-UPSWM">UPSWM</a> - tower mounting kit)
Primary UPS Depth (mm)	191
Primary UPS Height (mm)	274
Primary UPS Width (mm)	132
Shipping Dimensions (hwd / in.)	13.90 x 8.10 x 10.40
Shipping Dimensions (hwd / cm)	35.31 x 20.57 x 26.42
Shipping Weight (lbs.)	16.20
Shipping Weight (kg)	7.35
UPS Housing Material	PVC
UPS Power Module Dimensions (hwd, cm)	27.43 x 13.21 x 19.05
UPS Power Module Dimensions (hwd, in.)	10.8 x 5.2 x 7.5
UPS Power Module Weight (kg)	9.07
UPS Power Module Weight (lbs.)	20
<b>ENVIRONMENTAL</b>	
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	0 to 95%, non-condensing
AC Mode BTU / Hr. (Full Load)	38
AC Mode Efficiency Rating (100% Load)	97%
Battery Mode Heat Dissipation (BTU/Hr) @ Full Load	512
Audible Noise	<40dB @ 1m
<b>COMMUNICATIONS</b>	
PowerAlert Software	For local monitoring via the UPS's built-in USB or DB9 communication ports, download PowerAlert software at <a href="https://tripplite.eaton.com/products/power-alert">https://tripplite.eaton.com/products/power-alert</a>



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Communications Cable	USB and DB9 serial cabling included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
Network UPS Tools (NUT) Compatibility	NUT compatible. See the full list of Tripp Lite NUT compatible UPS systems at <a href="https://www.networkupstools.org/stable-hcl.html?manufacturer=Tripp+Lite">https://www.networkupstools.org/stable-hcl.html?manufacturer=Tripp Lite</a>
Communications Interface	DB9 Serial; USB (HID enabled)
<b>LINE / BATTERY TRANSFER</b>	
Transfer Time	2-4 milliseconds
Low Voltage Transfer to Battery Power (Setpoint)	75
High Voltage Transfer to Battery Power (Setpoint)	147
<b>FEATURES &amp; SPECIFICATIONS</b>	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Hot swappable batteries
Green Energy-Saving Features	Greater than 95% efficiency - GREEN UPS
<b>APPLICATIONS</b>	
UPS Applications	Home/Office Desktop
<b>WARRANTY &amp; SUPPORT</b>	
Product Warranty Period (Worldwide)	2-year limited warranty
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	\$200,000 & <a href="https://tripplite.eaton.com/support/insurance-policy">Ultimate Lifetime Insurance</a>

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