

SmartPro Tower UPS - Intelligent, line-interactive battery backup and network power management

MODEL NUMBER: **SMART700**



Description

Tripp Lite's SMART 700 intelligent, line interactive UPS system protects servers, networking accessories and telecommunications equipment from blackouts, voltage fluctuations and transient surges. Large internal batteries offer 20 minutes half load runtime and 6 minutes at full load during power failures. 700VA/450 watt power handling capability supports a variety of networking, telecom and various other application types, including the support of multiple network workstations. Includes a total of 6 UPS supported outlets. Supports remote monitoring of UPS and site power conditions via built-in USB monitoring port. Includes PowerAlert UPS monitoring and unattended shutdown software with complete cabling. Built-in audible alarm and 5 front panel LEDs indicate status of line power, battery power, battery low/replace, voltage regulation and load level. Wall mountable with UPSWM wallmount bracket. Network-grade AC surge suppression protects equipment from damage and performance problems resulting from transient surges. Attractive, small-footprint tower housing uses less than 53 square inches of floor or desktop space. Two year warranty with \$250,000 connected equipment insur.

Features

- 700VA/450 watt power handling capability supports a variety of networking, telecom and various other application types
- Built-in voltage regulation and battery support, plus complete AC line surge suppression prevents equipment damage, data loss and downtime
- Large internal batteries offer 20 minutes half load runtime and 6 minutes at full load during power failures
- Automatic Voltage Regulation (AVR) circuits with two boost and one voltage reduction level maintains usable 120V nominal output over an input voltage range of 75-147V
- Includes a total of 6 NEMA5-15R outlets
- Includes USB communications port for remote monitoring of UPS status and site power conditions
- Communications port enables safe unattended shutdown without data loss during extended power failures
- Communications port supports messaging of UPS and line power status, including on-battery, low-battery, power-restored, AC line voltage, DC battery voltage and battery capacity
- Communications ports support timed inverter shutoff after unattended shutdown, activate self-test and 10 second reboot of connected equipment
- PowerAlert UPS monitoring and unattended shutdown software with complete cabling included
- Battery replacement door

Highlights

- 700VA line interactive tower UPS
- Maintains 120V nominal output over an input range of 75 to 147V
- Network communications supported via USB port
- Current monitoring
- Input: NEMA 5-15P (120V 15A) / Output: 6 NEMA 5-15R (120V)
- 2 year product warranty / \$250,000 Ultimate Lifetime Insurance (USA, Puerto Rico & Canada only)

Package Includes

- SMART 700 UPS System
- Monitoring cable
- PowerAlert unattended shutdown and UPS/Power monitoring software
- Instruction manual with warranty information



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- 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
- Notification of system status via 5 LEDs and multi-function audible alarms
- Wall mountable with UPSWM wallmount bracket
- Attractive small footprint black tower housing uses less than 53 square inches
- Hot-swappable batteries allow on-site battery replacement
- Cold start capability enables UPS turn-on in battery mode during blackout conditions
- UL (USA), cUL (Canada), NOM (Mexico), Class A (Emissions) Listed
- \$250,000 Ultimate Lifetime Insuran.
- 2 year manufacturers product warranty

Specifications

OVERVIEW	
UPC Code	037332033765
UPS Type	Line-Interactive
INPUT	
Input Phase	Single-Phase
Rated input current (Maximum Load)	4.4A
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
Input Cord Length (ft.)	6
Input Cord Length (m)	1.83
OUTPUT	
Output Capacity (VA)	700
Output Capacity (Watts)	450
Power Factor	0.6
Frequency Compatibility	60 Hz
Output Voltage Regulation (Line Mode)	-18%, +8%
Output Voltage Regulation (Battery Mode)	115V (+/- 5%)
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	PWM sine wave



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Nominal Output Voltage(s) Supported	115V; 120V
Output Receptacles	(6) 5-15R
Individually Controllable Load Banks	No
BATTERY	
Runtime Full Load (min.)	6 min. (450w)
Runtime Half Load (min.)	20 min. (225w)
Expandable Runtime	No
DC System Voltage (VDC)	12
Battery Recharge Rate (Included Batteries)	Less than 6 hours from 10% to 90%
Battery Access	Battery access door
Internal UPS Replacement Battery Cartridge	RBC52 (x2)
Battery Replacement Description	Hot-swappable, user replaceable batteries
VOLTAGE REGULATION	
Voltage Regulation Description	Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 75V to 147V
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%
USER INTERFACE, ALERTS & CONTROLS	
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	5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status
SURGE / NOISE SUPPRESSION	
UPS AC Suppression Joule Rating	450
UPS AC Suppression Response Time	Instantaneous
EMI / RFI AC Noise Suppression	Yes
AC Suppression Joule Rating	1800
AC Suppression Response Time	Instantaneous
PHYSICAL	
Primary Form Factor	Tower



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Installation Form Factors Supported with Included Accessories	Tower
Installation Form Factors Supported with Optional Accessories	Wallmount (UPSWM - tower mounting kit)
Primary UPS Depth (mm)	191
Primary UPS Height (mm)	300
Primary UPS Width (mm)	183
Shipping Dimensions (hwd / in.)	15.50 x 11.00 x 11.25
Shipping Dimensions (hwd / cm)	39.37 x 27.94 x 28.58
Shipping Weight (lbs.)	25.00
Shipping Weight (kg)	11.34
UPS Housing Material	PVC
UPS Power Module Dimensions (hwd, cm)	29.97 x 18.29 x 19.05
UPS Power Module Dimensions (hwd, in.)	11.8 x 7.2 x 7.5
UPS Power Module Weight (kg)	9.98
UPS Power Module Weight (lbs.)	22
Unit Dimensions (hwd / in.)	11.750 x 7.250 x 7.500
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	0 to 95%, non-condensing
AC Mode BTU / Hr. (Full Load)	133
AC Mode Efficiency Rating (100% Load)	92%
Battery Mode Heat Dissipation (BTU/Hr) @ Full Load	565.9
Battery Mode Heat Dissipation (BTU/Hr) @ Half Load	282.9
COMMUNICATIONS	
Network Monitoring Port Description	Supports detailed monitoring of UPS and site power conditions
PowerAlert Software	Included
Communications Cable	USB cable included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
Communications Interface	USB
LINE / BATTERY TRANSFER	
Transfer Time	2-4 milliseconds



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Low Voltage Transfer to Battery Power (Setpoint)	75
High Voltage Transfer to Battery Power (Setpoint)	147
FEATURES & SPECIFICATIONS	
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
APPLICATIONS	
UPS Applications	High-End Desktop/Small Network
STANDARDS & COMPLIANCE	
Product Certifications	CSA (Canada); UL 1778
Product Compliance	FCC Part 15 Class A (USA); RoHS
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	\$250,000 Ultimate Lifetime Insurance

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