SmartPro 120V 700VA 450W Line-Interactive UPS, Tower, DB9 Serial

MODEL NUMBER: **SMART700SER**





Highlights

- 700VA line interactive tower UPS system
- 120V nominal output during brownouts to 75V and overvoltages to 147V
- Front panel status LEDs with load and battery capacity level display
- RS232 communications port; Hot-swappable batteries
- NEMA 5-15P input; 6 NEMA 5-15R outlets

Package Includes

- SMART700SER UPS System
- Serial cable
- Instruction manual

Description

Tripp Lite's SMART700SER is an intelligent, line-interactive UPS with DB9 serial port. It protects servers, networking accessories and telecommunications equipment from blackouts, voltage fluctuations and transient surges. Large internal batteries offer 16.9 minutes half load runtime and 5.9 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 DB9 serial port. PowerAlert UPS monitoring and unattended shutdown software is available for free download. 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 user-supplied UPSWM wall-mount bracket. Network-grade AC surge suppression protects equipment from damage and performance problems resulting from transient surges. Attractive, small-footprint tower housing uses minimal floor or desktop space.

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 modem line surge suppression prevents equipment damage, data loss and downtime
- Large internal batteries offer 16.9 minutes half load runtime and 5.9 minutes at full load during power failures
- Intelligent battery management system extends battery life
- 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
- Communications ports support timed inverter shutoff after unattended shutdown, activate self-test and 10 second reboot of connected equipment
- Serial port enables data-saving unattended shutdown when used with Tripp Lite's PowerAlert software, available via FREE download from tripplite.eaton.com/products/power-alert

- Battery replacement door
- Notification of system status via 5 LEDs and multi-function audible alarms
- Wall mountable with user-supplied UPSWM wallmount bracket
- Cold start capability enables UPS turn-on in battery mode during blackout conditions

Specifications

OVERVIEW	
UPC Code	037332118172
UPS Type	Line-Interactive
INPUT	
Input Phase	Single-Phase
Rated input current (Maximum Load)	4.33A
Nominal Input Voltage(s) Supported	120V AC
UPS Input Connection Type	5-15P
Input Circuit Breakers	10A
UPS Input Cord Length (ft.)	7
UPS Input Cord Length (m)	2.1
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%
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
BATTERY	
Battery Type	Valve Regulated Lead Acid (VRLA)

Runtime Full Load (min.)	5.9 min. (450w)
Runtime Half Load (min.)	16.9 min. (225w)
Expandable Runtime	No
DC System Voltage (VDC)	12
Battery Recharge Rate (Included Batteries)	Less than 6 hours from 10% to 90% (typical, full load discharge)
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 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%
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	480
UPS AC Suppression Response Time	Instantaneous
EMI / RFI AC Noise Suppression	Yes
PHYSICAL	
Primary Form Factor	Tower
Installation Form Factors Supported with Included Accessories	Tower
Installation Form Factors Supported with Optional Accessories	Wallmount (UPSWM - tower mounting kit)
Primary UPS Depth (mm)	198
Primary UPS Height (mm)	300
Primary UPS Width (mm)	183
Shipping Dimensions (hwd / in.)	15.40 x 10.90 x 10.40
Shipping Dimensions (hwd / cm)	39.12 x 27.69 x 26.42

Shipping Weight (lbs.)	23.70
Shipping Weight (kg)	10.75
UPS Housing Material	Polycarbonate
UPS Power Module Dimensions (hwd, cm)	29.97 x 18.29 x 19.81
UPS Power Module Dimensions (hwd, in.)	11.8 x 7.2 x 7.8
UPS Power Module Weight (kg)	9.53
UPS Power Module Weight (lbs.)	21
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)	98
AC Mode Efficiency Rating (100% Load)	92%
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 serial port, download PowerAlert software at https://tripplite.eaton.com/products/power-alert
Communications Cable	DB9 serial cable included
Communications Interface	DB9 Serial
LINE / BATTERY TRANSFER	
Transfer Time	2-4 milliseconds
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
APPLICATIONS	
UPS Applications	Large Network; High-End Desktop/Small Network
WARRANTY & SUPPORT	

Product Warranty Period (Worldwide)	2-year warranty, 3 year with registration. Note: Registration is required for 3-year warranty.
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	$250,000 Ultimate Lifetime Insurance

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

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