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Model #: SMART700SER

SmartPro .7kVA Line Interactive UPS, Tower, Serial Port, 120V

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

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. 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 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.

Package Includes

- SMART700SER UPS System
- Monitoring cable
- PowerAlert unattended shutdown and UPS/Power monitoring software
- Instruction manual

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
- 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
- PowerAlert Software and DB9 serial communications port enable remote monitoring of UPS status and site power conditions; safe unattended shutdown without data loss during extended power failures; messaging of UPS and line power status: 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
- 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

OUTPUT	
Output Volt Amp Capacity (VA)	700
Output Watt Capacity (watts)	450
Output power factor	0.6
Nominal Output Voltage(s) Supported	115V; 120V
Frequency compatibility	60 Hz
Output voltage regulation (line mode)	-18%, +8%
Output voltage regulation (Battery mode)	115V (+/- 5%)
Built-in UPS output receptacles	6 5-15R outlet(s)
Output AC waveform (AC mode)	Sine wave
Output AC waveform (battery mode)	PWM sine wave
INPUT	
Rated input current (at maximum load)	4.33A
Nominal Input Voltage(s) Supported	120V AC
UPS input connection type	5-15P
Input circuit breaker	10A
UPS Input cord length (ft.)	7
UPS Input cord length (m)	2.1
Recommended Electrical Service	15A 120V
BATTERY	
Full load runtime (minutes)	5.9 min. (450w)
Half load runtime (minutes)	16.9 min. (225w)
DC system voltage (VDC)	12
Battery recharge rate (included batteries)	Less than 6 hours from 10% to 90%
Replacement battery cartridge (internal UPS battery replacement)	RBC52 (x2)
Battery Access	Battery access door
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%
LEDS ALARMS & SWITCHES	
LED Indicators	5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status
Alarms	Audible alarm indicates power-failure and low-battery conditions
Alarm cancel operation	Power-fail alarm can be silenced using alarm-cancel switch; once silenced, alarm will re-sound to indicate low-battery status
Switches	2 Switches control off/on power status and alarm-cancel/self-test operation
SURGE / NOISE SUPPRESSION	
UPS AC suppression joule rating	480
UPS AC suppression response time	Instantaneous
EMI / RFI AC noise suppression	Yes
PHYSICAL	
Installation form factors supported with included accessories	Tower
Installation form factors supported with optional accessories	Wallmount (UPSWM - tower mounting kit)
Primary form factor	Tower
UPS / Power Module dimensions in primary form factor (height x width x depth / inches)	11.8 x 7.2 x 7.8
UPS / Power Module dimensions in primary form factor (height x width x depth / cm)	29.8 x 18.4 x 19.7
UPS / Power Module weight (lbs)	21
UPS / Power Module weight (kg)	9.5
UPS Shipping dimensions (height x width x depth / inches)	15 x 11.2 x 10.8
UPS Shipping dimensions (height x width x depth / cm)	38.1 x 28.6 x 27.3
Shipping weight (lbs)	23.5
Shipping weight (kg)	10.7

UPS housing material	Polycarbonate
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
Battery mode BTU / hr. (full load)	565.9
COMMUNICATIONS	
Communications interface	DB9 Serial
Network monitoring port description	Supports detailed monitoring of UPS and site power conditions
PowerAlert software	Included
Communications cable	DB9 serial cable included
LINE / BATTERY TRANSFER	
Transfer time	2-4 milliseconds
Low voltage transfer to battery power (setpoint)	75
High voltage transfer to battery power (setpoint)	147
SPECIAL FEATURES	
Cold Start (startup in battery mode during a power failure)	Cold-start operation supported
High availability UPS features	Hot swappable batteries
CERTIFICATIONS	
UPS Certifications	Tested to UL1778 (USA); Tested to CSA (Canada); Meets FCC Part 15 Category A (EMI)
WARRANTY	
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

Related Items

Optional Products

Related Model	Description	Qty.
DCATV	Network Surge Suppressor - Essential protection for TV/VCR coaxial lines	1
DNET1	Network Surge Suppressor - Essential protection for data and communication lines	1
DTEL2	Network Surge Suppressor - Essential protection for data and communication lines	1

PDU1215	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	1
UPSWM	Wallmount Bracket and installation accessories (4 washers, 4 screws, 1 Velcro safety strap)	1
WEXT5-500-1500	5-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less	1

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?txtModelID=2670.