

Tripp Lite 1111 West 35th Street Chicago, IL 60609 USA Telephone: +(773) 869 1234

E-mail: saleshelp@tripplite.com

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 Volt Amp Capacity (VA) Output Watt Capacity (VA) Output Watt Capacity 450 Output power factor 0.6 Nominal Output Voltage(e) 115V; 120V Supported 15W; 48% Output voltage regulation (Inne mode) 115V (4/- 5%) (Inne m		
Output Watt Capacity (watts) Output power factor Nominal Output Voltage (s) Supported Output Lower order) Output Voltage regulation (line mode) Output voltage regulation (line mode) Output voltage regulation (line mode) Output Act waveform (AC output voltage regulation (line mode) Built-in UPS output receptacles Output AC waveform (AC output voltage regulation) (line mode) PWM sine wave Output AC waveform (AC output voltage regulation) (line mode) NPUT Rated input current (at maximum load) Nominal input voltage(s) Supported UPS input connection type Input circuit breaker IOA UPS Input cord length (ft.) 7 UPS input cord length (ft.) 7 UPS input cord length (ft.) 15A 120V Service Phase Single-Phase BATTETY Full load runtime (minutes) 15.9 min. (450w) Half load runtime (minutes) I So min. (225w) DC system voltage (VDC) Replacement battery cartridge (internal UPS battery replacement) Replacement battery cartridge (internal UPS battery replacement)	OUTPUT	
Output power factor 0.6 Nominal Output Voltage(s) 215V: 120V 210V 210V 210V 210V 210V 210V 210V	Output Volt Amp Capacity (VA)	700
Nominal Output Voltage(s) Supported Frequency compatibility Output voltage regulation (inter mode) Output voltage regulation (Battery mode) Built-in UPS output receptacles Output AC waveform (AC mode) Output AC waveform (AC mode) Output AC waveform (buttery mode) INPUT Rated input current (at maximum load) Nominal Input Voltage(s) Supported 10A UPS input connection type Input circuit breaker IDA UPS linput cord length (ft.) 7 UPS linput cord length (m) 2.1 Recommended Electrical Services BATTERY Full load runtime (minutes) 5.9 min. (450w) Half load runtime (minutes) DC system voltage (VDC) RECS2 (x2) Battery replacement) RECS2 (x2) RECS2 (x2)	Output Watt Capacity (watts)	450
Supported Frequency compatibility Output voltage regulation (line mode) I18%, +8% Output voltage regulation (Battery mode) I15V (+/- 5%) Built-in UPS output receptacles Output AC waveform (AC mode) Output AC waveform (AC mode) Output AC waveform (AC mode) PWM sine wave (battery mode) INPUT Rated input current (at maximum load) Nominal input Voltage(s) Supported 120V AC UPS input connection type Input circuit breaker IDA UPS input cord length (ft) IPS input cord length (ft) I	Output power factor	0.6
Output voltage regulation (line mode) Output voltage regulation (Battery mode) 115V (+/- 5%) Built-in UPS output receptacles Output AC waveform (AC mode) Output AC waveform (AC mode) Output AC waveform (AC mode) INPUT Rated input current (at maximum load) UPS input connection type Supported UPS input connection type 120V AC UPS Input cord length (ft.) 7 UPS Input cord length (ft.) 7 UPS Input cord length (ft.) 7 UPS Input cord length (ft.) 15A 120V Phase Single-Phase BATTERY Full load runtime (minutes) 1.9 min. (225w) DC system voltage (VDC) RBC52 (x2) Battery recharge rate (included batteries) RBC52 (x2) RBC52 (x2) RBC52 (x2)	Nominal Output Voltage(s) Supported	115V; 120V
Cline mode	Frequency compatibility	60 Hz
Built-in UPS output receptacles 6 5-15R outlet(s) receptacles 6 5-15R outlet(s) receptacles 6 5-15R outlet(s) receptacles 7 Sine wave 7 Sine wave 7 Sine wave 8 Sine wave 8 Sine wave 9 Si	Output voltage regulation (line mode)	-18%, +8%
Cutput AC waveform (AC mode) Output AC waveform (AC mode) Duptit AC waveform (AC mode) NPUT Rated input current (at maximum load) Nominal Input Voltage(s) Supported UPS input connection type 5-15P Input circuit breaker 10A UPS Input cord length (ft.) 7 UPS Input cord length (ft.) 15A 120V Read maximum load) 15A 120V Phase BATTERY Full load runtime (minutes) 16.9 min. (450w) Half load runtime (minutes) DC system voltage (VDC) Replacement battery cartridge (internal UPS battery replacement) Replacement battery cartridge (internal UPS battery replacement) Replacement battery cartridge (internal UPS battery replacement)	Output voltage regulation (Battery mode)	115V (+/- 5%)
Output AC waveform (battery mode) INPUT Rated input current (at maximum load) Nominal Input Voltage(s) Supported IVPS input connection type 5-15P Input circuit breaker IOA UPS Input cord length (ft.) 7 UPS Input cord length (m) 2.1 Recommended Electrical Service BATTERY Full load runtime (minutes) 5.9 min. (450w) Half load runtime (minutes) 16.9 min. (225w) DC system voltage (VDC) Replacement battery carridge (internal UPS battery replacement) RECS2 (x2) RECS2 (x2)	Built-in UPS output receptacles	6 5-15R outlet(s)
NPUT Rated input current (at maximum load) 4.33A	Output AC waveform (AC mode)	Sine wave
Rated input current (at maximum load) 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 Single-Phase BATTERY Full load runtime (minutes) 15.9 min. (450w) Half load runtime (minutes) 16.9 min. (225w) DC system voltage (VDC) 12 Battery recharge rate (included batteries) Replacement battery cartridge (internal UPS battery replacement) Recommended Electrical Recommended Electrical Single-Phase BATTERY Ell load runtime (minutes) 16.9 min. (25w) Replacement battery cartridge (internal UPS battery replacement) Recommended Electrical Recommended Electrical Single-Phase Single-Phase Single-Phase Single-Phase Single-Phase Single-Phase Recommended Electrical Single-Phase Single-Phase Single-Phase Recommended Electrical Single-Phase Single-Phase Single-Phase Single-Phase Single-Phase Single-Phase Recommended Electrical Single-Phase Single-Phase Single-Phase Single-Phase Single-Phase Recommended Electrical Single-Phase Single-Phase	Output AC waveform (battery mode)	PWM sine wave
Nominal Input Voltage(s) Supported 120V AC Supported 10A 10PS Input cord length (ft.) 17 UPS Input cord length (ft.) 15A 120V Recommended Electrical Service 15A 120V Phase Single-Phase BATTERY Full load runtime (minutes) 16.9 min. (450w) DC system voltage (VDC) 12 Battery recharge rate (included batteries) Recognite of the system of the s	INPUT	
Supported 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 Phase Single-Phase 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) RBC52 (x2) RBC52 (x2)	Rated input current (at maximum load)	4.33A
Input circuit breaker UPS Input cord length (ft.) UPS Input cord length (m) 2.1 Recommended Electrical Service Phase Single-Phase BATTERY Full load runtime (minutes) DC system voltage (VDC) Battery recharge rate (included batteries) Replacement battery cartridge (internal UPS battery replacement) REC52 (x2)	Nominal Input Voltage(s) Supported	120V AC
UPS Input cord length (ft.) 7 UPS Input cord length (m) 2.1 Recommended Electrical Service 15A 120V Phase Single-Phase Single-Phase 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)	UPS input connection type	5-15P
UPS Input cord length (m) Recommended Electrical Service Phase Single-Phase 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) Replacement battery cartridge (internal UPS battery replacement) RBC52 (x2)	Input circuit breaker	10A
Recommended Electrical Service Phase Single-Phase 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) Replacement battery cartridge (internal UPS battery replacement) RBC52 (x2)	UPS Input cord length (ft.)	7
Service Phase Single-Phase BATTERY Full load runtime (minutes) 16.9 min. (450w) DC system voltage (VDC) Battery recharge rate (included batteries) Replacement battery cartridge (internal UPS battery replacement) RBC52 (x2)	UPS Input cord length (m)	2.1
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)	Recommended Electrical Service	15A 120V
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)	Phase	Single-Phase
Half load runtime (minutes) DC system voltage (VDC) Battery recharge rate (included batteries) Replacement battery cartridge (internal UPS battery replacement) RBC52 (x2)	BATTERY	
DC system voltage (VDC) Battery recharge rate (included batteries) Less than 6 hours from 10% to 90% Replacement battery cartridge (internal UPS battery replacement) RBC52 (x2)	Full load runtime (minutes)	5.9 min. (450w)
Battery recharge rate (included batteries) Replacement battery cartridge (internal UPS battery replacement) Less than 6 hours from 10% to 90% RBC52 (x2)	Half load runtime (minutes)	16.9 min. (225w)
Replacement battery cartridge (internal UPS battery replacement) RBC52 (x2)	DC system voltage (VDC)	12
cartridge (internal UPS battery replacement)	Battery recharge rate (included batteries)	Less than 6 hours from 10% to 90%
Battery Access Battery access door	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 SUPPRESSIO	ON CONTRACTOR OF THE PROPERTY
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	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.

Copyright © 2013 Tripp Lite. All rights reserved. All trademarks are the sole property of their respective owners. Tripp Lite has a policy of continuous improvement. Specifications are subject to change without notice. Photos may differ slightly from final products.