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Model #: SMART700DV

SmartPro Line Interactive Dual Voltage Tower UPS System - Maintains 120V nominal output with either 120V or 230V input power



Highlights

- 700VA line-interactive tower UPS system powers 120V devices from global power sources
- Maintains 120V output with 120V or 230V input
- Corrects brownouts and overvoltages from 83-147V (120V) or 159-282V (230V) to regulated 120V nominal output
- Input: NEMA 5-15P / Output: 6 NEMA 5-15R (120V)
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases
- 2 year product warranty

Description

Tripp Lite's dual-voltage SMART700DV line-interactive UPS system maintains 120V nominal output when fed with North American 120V or international 230V input voltage. Protects servers, networking accessories and telecommunications equipment from blackouts, voltage fluctuations and transient surges. Large internal batteries offer 55 min. half-load runtime and 22 min. full load runtime during power failures. 700VA/450W power handling capability supports a variety of networking, telecom and other applications, including multiple network workstations. Includes 6 UPS-supported outlets. Supports remote monitoring of UPS and site power conditions via built-in USB and RS-232 enabled DB9 ports. Works with PowerAlert UPS monitoring and unattended shutdown software available via free download from www.tripplite.com. Includes complete USB and serial 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. Network-grade AC surge suppression protects equipment from damage and performance problems resulting from transient surges. 2-year warranty.

Package Includes

- SMART700DV UPS System
- Detachable NEMA5-15P power cord
- USB cabling and DB9 serial cabling
- Manual with warranty information

Features

- Tripp Lite's dual-voltage SMART700DV line-interactive UPS system maintains 120V nominal output when fed with North American 120V or international 230V input voltage
- Includes detachable input cord with NEMA 5-15P input plug
- Built-in C14 inlet supports a variety of user-supplied international high- and low-voltage input cables
- Protects servers, networking accessories and telecommunications equipment from blackouts, voltage fluctuations and transient surges
- Large internal batteries offer 55 min. half-load runtime and 22 min. full load runtime during power failures
- 700VA/450W power handling capability supports a variety of networking, telecom and various other applications types, including multiple network workstations
- Includes 6 UPS-supported outlets
- Supports remote monitoring of UPS and site power conditions via built-in USB and RS-232 enabled DB9 ports
- Works with PowerAlert UPS monitoring and unattended shutdown software, available via free download from www.tripplite.com

- Includes complete USB and serial 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
- Network-grade AC surge suppression protects equipment from damage and performance problems resulting from transient surges
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases
- 2-year warranty
- 3 and 5 year extended warranty options available

Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	700
Output Watt Capacity (watts)	450
Output power factor	0.6
Nominal Output Voltage(s) Supported	120V
Frequency compatibility	50 / 60 Hz
Output voltage regulation (line mode)	-21%, +8%
Output voltage regulation (Battery mode)	+/- 5%
Built-in UPS output receptacles	6 5-15R outlet(s)
Basic PDU options	PDU1215 (1U / 13 5-15R outlets); PDUNV (1U / 2 C19, 12 C13 outlets); PDU1415 (0U / 14 5-15R outlets); PDUV15 (0U / 12 5-15R outlets)
Metered PDU options	PDUMH15 (1U / 13 5-15R outlets); PDUMH15AT (1U / 8 5-15R outlets)*; PDUMV15 (0U / 16 5-15R outlets)
Switched PDU options	PDUMH15ATNET (1U / 8 5-15R outlets)*; PDUMV15NET (0U / 16 5-15R outlets)
External PDU redundancy options	*Auto Transfer Switch features utilizing the secondary PDU input cord are compatible with Smart Online UPS models only
Output AC waveform (AC mode)	Sine wave
Output AC waveform (battery mode)	Sine wave
INPUT	
Rated input current (at maximum load)	4.8A (120V), 2.6A (230V)
Nominal Input Voltage(s) Supported	120V AC
UPS input connection type	5-15P; C14 inlet
UPS input connection description	Detachable 120v 5-15P input cable included
Input circuit breaker	6A
UPS Input cord length (ft.)	6

UPS Input cord length (m)	1.8
BATTERY	
Full load runtime (minutes)	22 min. (450w)
Half load runtime (minutes)	55 min. (225w)
DC system voltage (VDC)	24
Battery recharge rate (included batteries)	Less than 4 hours from 10% to 90%
Replacement battery cartridge (internal UPS battery replacement)	RBC54
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 83 to 147 (120V), 159 to 282 (230V)
Overvoltage correction	A voltage reduction of 12% applies when input voltage is between 125 and 147 (120V), 240 to 282 (230V)
Undervoltage correction	A voltage boost of 14% applies when input voltage is between 83 and 104 (120V), 159V and 199V (230V)
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	570
UPS AC suppression response time	Instantaneous
EMI / RFI AC noise suppression	Yes
PHYSICAL	
Primary form factor	Tower
UPS / Power Module dimensions in primary form factor (height x width x depth / inches)	10.2 x 9 x 12.5
UPS / Power Module dimensions in primary form factor (height x width x depth / cm)	26 x 22.9 x 31.8
UPS / Power Module weight (lbs)	62

UPS / Power Module weight (kg)	28.1
UPS Shipping dimensions (height x width x depth / inches)	15.2 x 17.8 x 14.2
UPS Shipping dimensions (height x width x depth / cm)	38.7 x 45.1 x 36.2
Shipping weight (lbs)	65
Shipping weight (kg)	29.5
UPS housing material	Steel
Cooling method	Fan
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)	97.7
Battery mode BTU / hr. (full load)	313.4
COMMUNICATIONS	
Network monitoring port description	Supports detailed monitoring of UPS and site power conditions
LINE / BATTERY TRANSFER	
Transfer time	2-4 milliseconds
Low voltage transfer to battery power (setpoint)	83 (120v), 159 (230v)
High voltage transfer to battery power (setpoint)	147 (120v), 282 (230v)
SPECIAL FEATURES	
High availability UPS features	Hot swappable batteries
CERTIFICATIONS	
UPS Certifications	Tested to UL1778 (USA); Tested to CSA (Canada); Tested to CE (EU); Meets FCC Part 15 Category A (EMI); ROHS (Reduction of Hazardous Substances)
WARRANTY	
Product Warranty Period (U.S., Canada & Puerto Rico)	2 years
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	\$250,000 connected equipment insurance

Related Items

Optional Products

Product Type	Related Model	Description	Qty.
Power Distribution	PDU1215	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	-
SNMP Accessories	SNMPWEBCARD	For remote monitoring and control via SNMP, Web, or Telnet.	-
SNMP Accessories	ENVIROSENSE	Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.)	-
USB Hubs/Accessories	U022-010	10-ft. USB2.0 A/B Gold Device Cable (A Male to B Male)	-
Surge Protectors	DNET1	Network Surge Suppressor - Essential protection for data and communication lines	-
Surge Protectors	DTEL2	Network Surge Suppressor - Essential protection for data and communication lines	-
Extended Warranties	WEXT3-500-1500	3-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less	-
Extended Warranties	WEXT5-500-1500	5-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less	-

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=3247.

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