



Tripp Lite
1111 West 35th Street
Chicago, IL 60609 USA
Telephone: +(773) 869 1234
E-mail: saleshelp@tripplite.com

Model #: SMART700DVA

SmartPro 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
- 6 NEMA 5-15R outlets
- 2-year warranty

Description

Tripp Lite's dual-voltage SMART700DVA 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 27.5 min. half-load runtime and 11 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.

Applications

- Ideal for military, relief or other applications where low-voltage 120V output is required in both 120V North American or 230V international locations.

Package Includes

- SMART700DVA UPS System
- Detachable NEMA5-15P power cord
- USB cabling and DB9 serial cabling
- Manual with warranty information

Features

- Tripp Lite's dual-voltage SMART700DVA 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 27.5 min. half-load runtime and 11 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
- 2-year warranty
- 3 and 5 year extended warranty options available

Specifications

SYSTEM OVERVIEW	
Voltage compatibility (VAC)	120; 230
OUTPUT	
Output Volt Amp Capacity (VA)	700
Output Watt Capacity (watts)	450
Nominal Output Voltage(s) Supported	120V
Frequency compatibility	50 / 60 Hz
Output voltage regulation (line mode)	-21%, +8%
Built-in UPS output receptacles	6 5-15R outlet(s)
INPUT	
Rated input current (at maximum load)	4.8A (120V), 2.6A (230V)
UPS input connection type	C14 inlet
UPS Input cord length (ft.)	Includes NEMA 5-15P to C13 inlet
BATTERY	
Full load runtime (minutes)	11 min. (450w)
Half load runtime (minutes)	27.5 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)	RBC51 (x2)
Battery Access	Battery access door
Typical battery lifespan	4-6 years

VOLTAGE REGULATION

Voltage regulation description	Automatic voltage regulation (AVR) circuits maintain clean, regulated computer-grade 120V nominal output, without using battery power, during brownouts to 83V and overvoltages to 147V (120V) / 159V to 282V (230V)
Overvoltage correction	Overvoltages from 125V to 147 V (120V) and from 240V to 282V (230V) are reduced by 12%
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 with 15 sec. delay sounds to indicate loss of utility power. Alarm can be silenced by pressing front panel alarm cancel button. Once silenced, alarm will re-sound when approximately 2 min. runtime remain.
Switches	Includes 2 front panel switches one main on/off power switch and one dual function "alarm cancel" / "self test" button

SURGE / NOISE SUPPRESSION

UPS AC suppression joule rating	570 joules
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)	51
UPS / Power Module weight (kg)	23.2
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
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	
Communications interface	DB9 Serial
EPO port	Dedicated Emergency Power Off (EPO) port
SNMP compatibility	Built-in accessory slot accommodates internal SNMP / Web card and other network accessories
Software and cabling included	Software available via free download from www.tripplite.com
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	
Appearance	Attractive black color scheme
CERTIFICATIONS	
Certifications	Tested to UL1778 (USA), CSA C22.2 No. 107.3 (Canada), CE (IEC62040 / European Union), FCC Class A (Emissions)
WARRANTY	
Product Warranty Period (U.S., Canada & Puerto Rico)	2 years
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	\$250,000 connected equipment insurance (USA / Canada only)
Optional Coverage	Available 3 & 5 year extended warranty coverage. Next-day & on-site warranty coverage available to select oppurtunities

Related Items

Optional Products

Product Type	Related Model	Description	Qty.
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	-
Power Distribution	PDU1215	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	-
SNMP Accessories	ENVIROSENSE	Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.)	-
SNMP Accessories	SNMPWEBCARD	For remote monitoring and control via SNMP, Web, or Telnet.	-
Surge Protectors	DTEL2	Network Surge Suppressor - Essential protection for data and communication lines	-

Surge Protectors	DNET1	Network Surge Suppressor - Essential protection for data and communication lines	-
Cables and Accessories	U022-010	10-ft. USB2.0 A/B Gold Device Cable (A Male to B Male)	-

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=3497.

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