

## SmartPro 120V 700VA 450W Line-Interactive Sine Wave UPS, Tower, 120 or 230V input, Network Card Options, USB, DB9

MODEL NUMBER: **SMART700DV**



### 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 54.5 min. half-load runtime and 22.2 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. 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.

### 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 54.5 min. half-load runtime and 22.2 min. full load runtime during power failures
- Intelligent battery management system extends battery life

### Highlights

- 700VA tower line interactive UPS
- Maintains 120V output with 120V or 230V input
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule
- USB, RS232, DB9 and slot for Network Management Card options
- C14 inlet with NEMA 5-15P cable and 6 5-15R outlets

### Package Includes

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



- 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
- Compatible with Tripp Lite UPS management card options TLNETCARD, WEBCARDLX and SNMPWEBCARD
- USB & Serial ports enable data-saving unattended shutdown when used with Tripp Lite's PowerAlert software, available via FREE download from [www.tripplite.com/poweralert](http://www.tripplite.com/poweralert)
- 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

## Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	700
Output Watt Capacity (Watts)	450
Nominal Output Voltage(s) Supported	110V; 115V; 120V
Nominal Voltage Details	120v nominal output in battery mode
Frequency Compatibility	50 / 60 Hz
Frequency Compatibility Details	Automatic frequency selection
Output Voltage Regulation (Line Mode)	-21%, +8%
Output Voltage Regulation (Battery Mode)	+/- 5%
Output Receptacles	(6) 5-15R
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave
INPUT	
Rated input current (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 Breakers	6A
UPS Input Cord Length (ft.)	6
UPS Input Cord Length (m)	1.8
Input Phase	Single-Phase
<b>BATTERY</b>	
Full Load Runtime (min.)	22.2 min. (450w)
Half Load Runtime (min.)	54.5 min. (225w)
DC System Voltage (VDC)	24
Battery Recharge Rate (Included Batteries)	Less than 4 hours from 10% to 90% (typical, full load discharge)
Internal UPS Replacement Battery Cartridge	<u>RBC54</u>
Battery Access	Battery access door
Battery Replacement Description	Hot-swappable, user replaceable batteries
Expandable Runtime	No
<b>VOLTAGE REGULATION</b>	
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)
<b>USER INTERFACE, ALERTS &amp; CONTROLS</b>	
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
<b>SURGE / NOISE SUPPRESSION</b>	
UPS AC Suppression Joule Rating	570
UPS AC Suppression Response Time	Instantaneous
EMI / RFI AC Noise Suppression	Yes
<b>PHYSICAL</b>	



**Tripp Lite**  
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Primary Form Factor	Tower
UPS Power Module Dimensions (hwd, in.)	10.2 x 9 x 12.5
UPS Power Module Dimensions (hwd, cm)	25.91 x 22.86 x 31.75
UPS Power Module Weight (lbs.)	62
UPS Power Module Weight (kg)	28.12
UPS Shipping Dimensions (hwd / in.)	15.2 x 17.8 x 14.2
UPS Shipping Dimensions (hwd / cm)	38.61 x 45.21 x 36.07
Shipping Weight (lbs.)	65
Shipping Weight (kg)	29.5
Cooling Method	Fan
UPS Housing Material	Steel
Primary UPS Height (mm)	259
Primary UPS Width (mm)	229
Primary UPS Depth (mm)	318
Shipping Height (mm)	386
Shipping Width (mm)	452
Shipping Depth (mm)	361
<b>ENVIRONMENTAL</b>	
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)	41
Battery Mode BTU / Hr. (Full Load)	315
AC Mode Efficiency Rating (100% Load)	94%
<b>COMMUNICATIONS</b>	
Communications Interface	USB (HID enabled); DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface
Network Management Cards	SNMPWEBCARD; TLNETCARD; WEBCARDLX
Network Monitoring Port Description	Supports detailed monitoring of UPS and site power conditions
PowerAlert Software	For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at <a href="http://www.tripplite.com/poweralert">http://www.tripplite.com/poweralert</a>



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<b>LINE / BATTERY TRANSFER</b>	
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)
<b>SPECIAL FEATURES</b>	
High Availability UPS Features	Hot swappable batteries
<b>CERTIFICATIONS</b>	
UPS Certifications	CE; Meets FCC Part 15 Category A (EMI); TAA Compliant; Tested to CSA (Canada); Tested to UL1778 (USA)
<b>WARRANTY</b>	
Product Warranty Period (Worldwide)	2-year limited warranty
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	\$250,000 <u>Ultimate Lifetime Insurance</u>

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