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## 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

| OVERVIEW                           |  |
|------------------------------------|--|
| UPC Code                           | 037332126597                               |
| UPS Type                           | Line-Interactive                           |
| INPUT                              |  |
| Rated input current (Maximum Load) | 4.8A (120V), 2.6A (230V)                   |
| Nominal Input Voltage(s) Supported | 120V AC; 230V 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                               |
| OUTPUT                             |  |
| Output Volt Amp Capacity (VA)      | 700  |
| Output Watt Capacity (Watts)       | 450  |
| 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 AC Waveform (AC Mode)                 | Sine wave  |
| Output AC Waveform (Battery Mode)            | Pure Sine wave   |
| Nominal Output Voltage(s) Supported          | 110V; 115V; 120V   |
| Output Receptacles                           | (6) 5-15R  |
| Individually Controllable Load Banks         | No   |
| <b>BATTERY</b>                               |  |
| Battery Type                                 | Valve Regulated Lead Acid (VRLA)   |
| Full Load Runtime (min.)                     | 22.2 min. (450w)   |
| Half Load Runtime (min.)                     | 54.5 min. (225w)   |
| Expandable Runtime                           | No   |
| DC System Voltage (VDC)                      | 24   |
| Battery Recharge Rate (Included Batteries)   | Less than 4 hours from 10% to 90% (typical, full load discharge)   |
| Battery Access                               | Battery access door  |
| Internal UPS Replacement Battery Cartridge   | &nbsp;<a class="productLink" href="//www.tripplite.com/UPS-Replacement-Battery-Cartridge-Kit-select-Tripp-Lite-Best-Powerware-Liebert-other-UPS~RBC54">RBC54</a>&nbsp; |
| Battery Replacement Description              | Hot-swappable, user replaceable batteries  |
| <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  |



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|---|--|
| UPS AC Suppression Response Time                              | Instantaneous  |
| EMI / RFI AC Noise Suppression                                | Yes  |
| <b>PHYSICAL</b>   |  |
| Cooling Method  | Fan  |
| Installation Form Factors Supported with Included Accessories | Tower  |
| Primary Form Factor   | Tower  |
| Primary UPS Depth (mm)  | 318  |
| Primary UPS Height (mm)                                       | 259  |
| Primary UPS Width (mm)  | 229  |
| Shipping Dimensions (hwd / cm)                                | 38.74 x 36.20 x 45.08  |
| Shipping Dimensions (hwd / in.)                               | 15.25 x 14.25 x 17.75  |
| Shipping Weight (kg)  | 35.38  |
| Shipping Weight (lbs.)  | 78.00  |
| UPS Housing Material  | Steel  |
| UPS Power Module Dimensions (hwd, cm)                         | 25.91 x 22.86 x 31.75  |
| UPS Power Module Dimensions (hwd, in.)                        | 10.2 x 9 x 12.5  |
| UPS Power Module Weight (kg)                                  | 28.12  |
| UPS Power Module Weight (lbs.)                                | 62   |
| <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   |
| AC Mode Efficiency Rating (100% Load)                         | 98%  |
| <b>COMMUNICATIONS</b>   |  |
| Network Management Cards                                      | &nbsp;<a class="productLink" href="//www.tripplite.com/SNMP-Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-Systems~SNMPWEBCARD">SNMPWEBCARD</a>&nbsp;; &nbsp;<a class="productLink" href="//www.tripplite.com/Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-Systems~TLNETCARD">TLNETCARD</a>&nbsp;; &nbsp;<a class="productLink" href="//www.tripplite.com/Web-Management-Accessory-Card~WEBCARDLX">WEBCARDLX</a>&nbsp; |
| 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="https://www.tripplite.com/poweralert">https://www.tripplite.com/poweralert</a>   |
| Communications Interface                                      | DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface; USB (HID enabled)  |



| <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                             | Auto Probe Monitoring (requires WEBCARDLX); Automatic Voltage Regulation (AVR); Hot swappable batteries; Remote management; Sine wave output; Surge/noise protection |
| <b>STANDARDS &amp; COMPLIANCE</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&nbsp;<a class="insuranceLink" href="//www.tripplite.com/support/insurance-policy">Ultimate Lifetime Insurance</a>&nbsp;                                    |

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<https://www.tripplite.com/products/product-certification-agencies>