

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

MODEL NUMBER: SMART700DV



### Description

The 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 minutes half-load runtime and 22.2 minutes 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 six 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 five 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.

This product is designed with features typically required in commercial applications, including network connectivity and a ruggedized case. For home use, consider SMART750USB or SMART750TSU.

### Features

- 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
- 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 UPS management card options TLNETCARD, WEBCARDLX and SNMPWEBCARD

### Highlights

- 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
- Designed for commercial applications; see product description for home-use recommendations

### Package Includes

- SMART700DV UPS System
- Detachable NEMA 5-15P power cord
- USB cabling and DB9 serial cabling
- Manual with warranty information



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- USB & Serial ports enable data-saving unattended shutdown when used with PowerAlert software, available via FREE download from [tripplite.eaton.com/products/power-alert](http://tripplite.eaton.com/products/power-alert)
- 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

This product is designed with features typically required in commercial applications, including network connectivity and a ruggedized case. For home use, consider SMART750USB or SMART750TSU. Click to [compare product features](#).

## Specifications

| OVERVIEW                                 |  |
|--|--|
| UPC Code                                 | 037332126597                               |
| UPS Type                                 | Line-Interactive                           |
| INPUT                                    |  |
| Input Phase                              | Single-Phase                               |
| 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  |
| OUTPUT                                   |  |
| Output Capacity (VA)                     | 700  |
| Output Capacity (kVA)                    | 0.7  |
| Output Capacity (Watts)                  | 450  |
| Output Capacity (kW)                     | 0.45                                       |
| 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                                  |

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| 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)   |
| Runtime Full Load (min.)                     | 22.2 min. (450W)   |
| Runtime Half Load (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="//tripplite.eaton.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  |
| UPS AC Suppression Response Time             | Instantaneous  |
| EMI / RFI AC Noise Suppression               | Yes  |
| <b>PHYSICAL</b>                              |  |
| Primary Form Factor                          | Tower  |
| Cooling Method                               | Fan  |

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| Installation Form Factors Supported with Included Accessories | Tower  |
| Primary UPS Depth (mm)  | 318  |
| Primary UPS Height (mm)                                       | 259  |
| Primary UPS Width (mm)  | 229  |
| Shipping Dimensions (hwd / in.)                               | 15.25 x 14.25 x 17.75  |
| Shipping Dimensions (hwd / cm)                                | 38.74 x 36.20 x 45.08  |
| Shipping Weight (lbs.)  | 78.00  |
| Shipping Weight (kg)  | 35.38  |
| 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   |
| Unit Weight (lbs.)  | 62.0000  |
| Unit Weight (kg)  | 28.12  |
| <b>ENVIRONMENTAL</b>  |  |
| Operating Temperature Range                                   | 32° to 104°F (0° to 40°C)  |
| Storage Temperature Range                                     | 5° to 122°F (-15° to 50°C)   |
| 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="//tripplite.eaton.com/Web-Management-Accessory-Card-SmartPro-SmartOnline-UPS-Systems~TLNETCARD">TLNETCARD</a>&nbsp;; &nbsp;<a class="productLink" href="//tripplite.eaton.com/Network-Card-Eaton-Tripp-Lite-Series-UPS-Systems~WEBCARDLXE">WEBCARDLXE</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 software at <a href="https://tripplite.eaton.com/products/power-alert">https://tripplite.eaton.com/products/power-alert</a>   |
| Network Management Card Description                           | Network management card optional   |
| 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)  |



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| High Voltage Transfer to Battery Power (Setpoint)          | 147 (120v), 282 (230v)  |
| <b>FEATURES &amp; SPECIFICATIONS</b>                       |   |
| High Availability UPS Features                             | Auto Probe Monitoring (requires WEBCARDLXE); Automatic Voltage Regulation (AVR); Hot swappable batteries; Remote management; Surge/noise protection |
| <b>APPLICATIONS</b>  |   |
| UPS Applications   | Large Network   |
| <b>STANDARDS &amp; COMPLIANCE</b>                          |   |
| Product Certifications                                     | CSA (Canada); UL 1778   |
| Product Compliance   | RoHS; CE (Europe); FCC Part 15 Class A (USA); Trade Agreements Act (TAA)  |
| <b>WARRANTY &amp; SUPPORT</b>                              |   |
| Product Warranty Period (Worldwide)                        | 2-year limited warranty   |
| Connected Equipment Insurance (U.S., Canada & Puerto Rico) | \$250,000 &nbsp;<a class="insuranceLink" href="//tripplite.eaton.com/support/insurance-policy">Ultimate Lifetime Insurance</a> &nbsp;               |

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