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

MODEL NUMBER: **SMART700DV**





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

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

- USB & Serial ports enable data-saving unattended shutdown when used with PowerAlert software, available via FREE download from 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
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

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
BATTERY	
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	RBC54
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)
USER INTERFACE, ALERTS & CONTROLS	
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
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
Cooling Method	Fan

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 Dimensions (hwd / in.)	10.250 x 9.000 x 12.500
Unit Weight (lbs.)	62.0000
Unit Weight (kg)	28.12
ENVIRONMENTAL	
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%
COMMUNICATIONS	
Network Management Cards	TLNETCARD ; WEBCARDLXE
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 https://tripplite.eaton.com/products/power-alert
Network Management Card Description	Network management card optional
Communications Interface	DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface; USB (HID enabled)
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)
FEATURES & SPECIFICATIONS	
High Availability UPS Features	Auto Probe Monitoring (requires WEBCARDLXE); Automatic Voltage Regulation (AVR); Hot swappable batteries; Remote management; Surge/noise protection
APPLICATIONS	
UPS Applications	Large Network
STANDARDS & COMPLIANCE	
Product Certifications	CSA (Canada); UL 1778
Product Compliance	RoHS; CE (Europe); FCC Part 15 Class A (USA); Trade Agreements Act (TAA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	$250,000 Ultimate Lifetime Insurance

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