SmartPro 120V 1.05kVA 705W Line-Interactive UPS, Tower, USB, 6 Outlets

MODEL NUMBER: **SMART1050**





Highlights

- Corrects under- and overvoltages from 75V to 147V
- 6 NEMA 5-15R outlets
- Front-panel LEDs indicate load, power and battery statuses
- Monitoring of power conditions via PowerAlert®
- 23 min. runtime at half load; 8 min. at full load

Package Includes

- SMART1050 SmartPro 120V 1.05kVA 705W Line-Interactive UPS
- USB cable
- Owner's manual

Protects connected mission-critical equipment against damage, downtime and data loss due to blackouts, brownouts, power surges and line noise. Ideal solution for data centers, VoIP systems, points of sale and network closets.

Description

The SMART1050 SmartPro® 120V 1.05kVA 705W Line-Interactive UPS provides battery backup and AC power protection against blackouts, brownouts, power surges and line noise that can damage electronics or destroy data. Ideal for backing up data centers, VoIP systems, points of sale and network closets, the SMART1050 switches to 1.05kVA/705W battery mode in milliseconds to keep your connected equipment running long enough to save files and shut down safely with no data loss.

Featuring six NEMA 5-15R outlets and a six-foot power cord with 120V NEMA 5-15P input, the SMART1050 has an internal battery that provides 23 minutes of support at half load and eight minutes at full load. Front-panel LEDs indicate line power, battery power, overload, voltage regulation and battery status. An alarm sounds to indicate power failure or a low battery.

Automatic voltage regulation (AVR) maintains 120V nominal output over an input range of 75V to 147V without using battery power. EMI/RFI noise filtering improves your equipment's performance and prevents damage. A 480-joule surge suppression rating protects your equipment from harmful power surges. With PowerAlert® software, available via free download, the SMART1050 enables safe unattended system shutdown in case of a prolonged power failure.

Features

Protects Mission-Critical Equipment

- Provides fully regulated AC output for servers, network storage devices and telecom hardware
- Audible alarm signals loss of utility power or low battery
- 6 NEMA 5-15R outlets
- 6 ft. power cord with 120V NEMA 5-15P input

- 480-joule surge suppression rating

Reliable Battery Backup
- Supports half load up to 23 min. and full load up to 8 min.
- Internal batteries designed for hot-swap field replacement
- 96% line-power efficiency rating saves money in energy costs
- Cold-start capability enables turn-on in battery mode during blackouts

Automatic Voltage Regulation (AVR)
- Maintains 120V nominal output over input range of 75V–147V without using battery power

EMI/RFI Line Noise Filtering
- Removes electromagnetic and radio frequency interference that can disrupt or damage equipment's performance

LED Indicators
- Front-panel LEDs signal indicate line power, battery power, overload, voltage regulation and battery status

USB Communication Port
- USB port combines with PowerAlert software (available via free download at tripplite.eaton.com/products/power-alert) to enable safe unattended system shutdown and file saves in case of a prolonged power failure
- Supports messaging of UPS and line power status, including voltage and battery capacity

Small-Footprint Tower Housing
- Uses less than 53 sq. in. of floor or desktop space
- Mounts on wall with optional UPSWM accessory

Specifications

OVERVIEW	
UPC Code	037332033802
UPS Type	Line-Interactive
INPUT	
Input Phase	Single-Phase
Rated input current (Maximum Load)	6.7A
Nominal Input Voltage(s) Supported	120V AC
UPS Input Connection Type	5-15P; Right-Angled
Input Circuit Breakers	12A
UPS Input Cord Length (ft.)	6
UPS Input Cord Length (m)	1.8

Recommended Electrical Service	15A 120V
Input Cord Length (ft.)	6
Input Cord Length (m)	1.83
OUTPUT	
Output Capacity (VA)	1050
Output Capacity (kVA)	1.05
Output Capacity (Watts)	705
Output Capacity (kW)	0.705
Nominal Voltage Details	120v nominal output in battery mode
Frequency Compatibility	60 Hz
Output Voltage Regulation (Line Mode)	-18%, +8%
Output Voltage Regulation (Battery Mode)	+/- 5%
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	PWM 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.)	8 min. (705W)
Runtime Half Load (min.)	23 min. (352W)
Expandable Runtime	No
DC System Voltage (VDC)	18
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	RBC52 (quantity 3)
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 75 to 147
Overvoltage Correction	Input voltages between 128 and 147 are reduced by 12%
Undervoltage Correction	Input voltages between 93 and 107 are boosted by 14%

Severe Undervoltage Correction	Input voltages between 75 and 92 are boosted by 30%
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	480
UPS AC Suppression Response Time	Instantaneous
EMI / RFI AC Noise Suppression	Yes
AC Suppression Joule Rating	480
AC Suppression Response Time	Instantaneous
PHYSICAL	
Primary Form Factor	Tower
Installation Form Factors Supported with Included Accessories	Tower
Installation Form Factors Supported with Optional Accessories	Wallmount (UPSWM - tower mounting kit)
Primary UPS Depth (mm)	183
Primary UPS Height (mm)	300
Primary UPS Width (mm)	183
Shipping Dimensions (hwd / in.)	15.60 x 10.60 x 10.70
Shipping Dimensions (hwd / cm)	39.62 x 26.92 x 27.18
Shipping Weight (lbs.)	33.00
Shipping Weight (kg)	14.97
UPS Housing Material	Polycarbonate
UPS Power Module Dimensions (hwd, cm)	29.97 x 18.29 x 18.29
UPS Power Module Dimensions (hwd, in.)	11.8 x 7.2 x 7.2
UPS Power Module Weight (kg)	13.15
UPS Power Module Weight (lbs.)	29
Unit Dimensions (hwd / in.)	11.750 x 7.250 x 7.500
Unit Weight (lbs.)	29.6000
Unit Weight (kg)	13.43

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 Efficiency Rating (100% Load)	96%
COMMUNICATIONS	
Network Monitoring Port Description	Supports detailed monitoring of UPS and site power conditions
PowerAlert Software	For local monitoring via the UPS's built-in USB port, download PowerAlert software at https://tripplite.eaton.com/products/power-alert
Communications Cable	USB cable included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
Communications Interface	USB
LINE / BATTERY TRANSFER	
Transfer Time	2-4 milliseconds
Low Voltage Transfer to Battery Power (Setpoint)	75
High Voltage Transfer to Battery Power (Setpoint)	147
FEATURES & SPECIFICATIONS	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Hot swappable batteries; Surge/noise protection
Green Energy-Saving Features	Greater than 95% efficiency - GREEN UPS
APPLICATIONS	
UPS Applications	Large Network; High-End Desktop/Small Network
STANDARDS & COMPLIANCE	
Product Certifications	CSA (Canada); UL 1778
Product Compliance	RoHS
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year warranty, 3 year with registration. Note: Registration is required for 3-year warranty.
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	$250,000 Ultimate Lifetime Insurance

1000 Eaton Boulevard
Cleveland, OH 44122
United States
https://tripplite.eaton.com

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