Smart Pro line interactive UPS System - NAFTA assembled version of SMART3000NET

MODEL NUMBER: **SM3000NAFTA**





Highlights

- 3000VA / 3kVA line interactive, extended-run tower UPS
- Maintains 120V nominal output over an input range of 87 to 140V
- Network communications supported via 3 DB9 ports (1 serial / 2 contact closure)
- Current monitoring and switched PDU control via 2 single-outlet load banks
- Input: L5-30P (120V 30A) / Output: 4 NEMA 5-15/20R, 4 NEMA 5-15R (120V)
- $250,000 Ultimate Lifetime Insurance (USA, Puerto Rico and Canada only)

Package Includes

- SMART3000NET UPS System
- PowerAlert Software and three 6 foot network cables
- Warranty information
- Instruction manual

Description

Tripp Lite's SM3000NAFTA intelligent, line interactive large tower UPS system protects servers, networking accessories and telecommunications equipment from blackouts, voltage fluctuations and transient surges. Large internal batteries offer 23 minutes half load runtime and 7 minutes fully loaded. Runtime is expandable with optional BP24V28-2U (limit 1) and BP24V70-3U external battery packs. 3000VA/2400 watt power handling capability supports a variety of networking, telecom and other sensitive electronic applications. Includes 8 protected outlets. Supports remote monitoring of UPS and site power conditions via built-in RS-232 enabled monitoring port, plus standard UPS monitoring via 2 built in contact closure ports. Includes PowerAlert UPS monitoring and unattended shutdown software with complete cabling. Built-in audible alarm and front panel LEDs indicate line power, battery power, battery charge level, load level and voltage regulation status. Network grade AC surge suppression protects equipment from damage and performance problems resulting from transient surges. Attractive large gray tower housing. $250,000 connected equipment insur.

Features

- SM3000NAFTA line interactive UPS offers battery derived AC output during power outages, voltage regulation during brownouts and overvoltages, plus network-grade AC surge suppression
- 3000VA/2400 watt power handling capability supports a variety of networking, telecom and other sensitive electronic devices
- Large internal batteries offer runtimes of 23 minutes at half load (1500VA/1200 watts) and 7 minutes at full load (3000VA/2400 watts)
- Runtime is further expandable with optional external BP24V28-2U (limit 1) and BP24V70-3U battery packs
- Automatic Voltage Regulation (AVR) circuits maintain 120V nominal output over an input voltage range of 87-140V
- Includes 8 fully protected outlets (4 NEMA 5-15R & 4 NEMA 5-15/20R) with 2 single outlet load banks that can be individually powered off and back on again via software interface
- PowerAlert UPS monitoring and unattended shutdown software enables configurable network broadcast messaging, email notification, event logging and running user defined script commands
- Offers simultaneous monitoring of up to 3 directly connected devices through included DB9 contact closure and RS-232 enabled interfaces, or the monitoring of any number of additional servers over IP with included PowerAlert monitoring software
- In addition to the contact closure monitoring of on battery, low battery and power restored messaging, built-in RS-232 interface supports messaging of UPS and line power status, including AC line voltage, DC battery voltage and remaining battery capacity

- Supports activate self-test and UPS output power control for delayed or immediate reboot of connected equipment
- Diagnostic LEDs (indicate 17 performance conditions)
- UL (USA), cUL (Canada), NOM (Mexico), FCC Class A (Emissions)
- $250,000 Ultimate Lifetime Insurance (USA & Canada Only)

Specifications

OVERVIEW	
UPC Code	037332137845
INPUT	
Rated input current (Maximum Load)	22A
Nominal Input Voltage(s) Supported	120V AC
UPS Input Connection Type	L5-30P
UPS Input Cord Length (ft.)	8
UPS Input Cord Length (m)	2.4
Recommended Electrical Service	30A 120V
Input Cord Length (m)	2.4
OUTPUT	
Output Capacity (VA)	3000
Output Capacity (kVA)	3
Output Capacity (Watts)	2400
Output Capacity (kW)	2.4
Power Factor	0.8
Frequency Compatibility	60 Hz
Output Voltage Regulation (Line Mode)	-13% / +5%
Output Voltage Regulation (Battery Mode)	+/- 5%
Load Management Receptacles	Three switchable single-outlet 5-15R load banks
Output Circuit Breakers	15A branch rated (x2) - each breaker protects 4 outlets
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	PWM sine wave
Nominal Output Voltage(s) Supported	120V
Output Receptacles	(4) 5-15R; (4) 5-15/20R

BATTERY	
Runtime Full Load (min.)	7 min. (2400w)
Runtime Half Load (min.)	23 min. (1200w)
External Battery Pack Compatibility	BP24V28-2U (limit 1); BP24V70-3U (multi-pack compatible)
DC System Voltage (VDC)	24
Battery Recharge Rate (Included Batteries)	Less than 9 hours from 10% to 90%
VOLTAGE REGULATION	
Voltage Regulation Description	Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 87 to 140
Overvoltage Correction	Input voltages between 127 and 140 are reduced by 12%
Undervoltage Correction	Input voltages between 95 and 105 are boosted by 10%
Severe Undervoltage Correction	Input voltages between 87 and 94 are boosted by 22%
USER INTERFACE, ALERTS & CONTROLS	
Switches	2 Switches control off/on power status and alarm-cancel/self-test operation; set of 4 rear-panel switches control system enable and contact closure port inverter shutoff commands
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, overload 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
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)	432
Primary UPS Width (mm)	229
Shipping Dimensions (hwd / in.)	16.50 x 23.00 x 13.00
Shipping Dimensions (hwd / cm)	41.91 x 58.42 x 33.02

Shipping Weight (lbs.)	87.00
Shipping Weight (kg)	39.46
UPS Housing Material	PVC
UPS Power Module Dimensions (hwd, cm)	43.18 x 22.86 x 31.75
UPS Power Module Dimensions (hwd, in.)	17 x 9 x 12.5
UPS Power Module Weight (kg)	40.37
UPS Power Module Weight (lbs.)	89
ENVIRONMENTAL	
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)	82.4
AC Mode Efficiency Rating (100% Load)	99%
Battery Mode Heat Dissipation (BTU/Hr) @ Full Load	1219.3
COMMUNICATIONS	
Network Monitoring Port Description	Supports detailed monitoring of UPS and site power conditions; contact closure communications via two additional DB9 ports (3 total)
PowerAlert Software	Included
Communications Cable	3 DB9 cables included
Communications Interface	DB9 Serial; Contact closure
LINE / BATTERY TRANSFER	
Transfer Time	2-4 milliseconds
Low Voltage Transfer to Battery Power (Setpoint)	87
High Voltage Transfer to Battery Power (Setpoint)	140
FEATURES & SPECIFICATIONS	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
Green Energy-Saving Features	Greater than 95% efficiency - GREEN UPS; Individually controllable load banks
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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