SmartPro 3kVA Line Interactive UPS, Extended-run & SNMPWEBCARD options, Tower, USB, Serial, EPO, 230V

MODEL NUMBER: **SMARTINT3000VS**

Highlights

- 3kVA / 3000VA line interactive tower UPS system
- 230V nominal output during brownouts to 151V and overvoltages to 282V
- Front panel status LEDs with load and battery capacity level display
- USB, RS232, EPO and optional SNMP/Web interface; 3 switched load banks
- C20 inlet; 8 C13 & 1 C19 outlets; 3 C13 to C14 cables included

Package Includes

- SMARTINT3000VS UPS System
- PowerAlert software with USB and DB9 cables
- Cable for Emergency Power Off interface
- Instruction manual with warranty information
- C13 to C14 power cables (3)

Description

Tripp Lite's SMARTINT3000VS intelligent, line-interactive tower uninterruptible power supply (UPS) prevents data loss, downtime and equipment damage due to power outages, voltage fluctuations and transient surges. Large internal batteries offer 14 minutes half load runtime and 4 minutes at full load. Runtime is expandable with optional external battery packs. Maintains regulated 230V nominal output without using battery power during brownouts and overvoltages from 151 to 282V. 3000VA power handling capability offers compatibility with a variety of networking, telecom and other sensitive electronic applications. Includes a total of 9 outlets with 3 load banks that are individually switchable via software interface to reboot select equipment on demand or shed less significant loads to extend battery runtime for more critical equipment. Supports simultaneous remote monitoring of UPS and site power conditions via built-in USB and DB9 monitoring ports. Includes PowerAlert UPS monitoring and unattended shutdown software with complete cabling. Built-in accessory slot supports SNMP with optional SNMPWEBCARD adapter. Emergency Power Off (EPO) interface offers option for instantaneous power-off of UPS and connected equipment in the case of fire or emergency. Multi-function audible alarms and set of 5 front panel LEDs offer at-a-glance notification of UPS and line power status. Network-grade AC surge suppression protects equipment from damage and performance problems resulting from transient surges and line noise. Attractive gray color scheme.

Features

- SMARTINT3000VS line-interactive UPS offers protection from blackouts, brownouts, overvoltages and surges
- 3000VA / 2250 watt capacity
- Internal batteries support a half load of 1500VA for 14 minutes and a full load of 3000VA for 4 minutes
- Runtime is further expandable with the addition of BP48V24-2U (limit 1), BP48V60RT-3U (multi-pack compatible) and BP48V27-2US (multi-pack compatible) external battery packs
- Maintains regulated 230V nominal output during brownouts and overvoltages from 151 to 282V
- Includes 9 UPS supported outlets with 3 individually controllable load banks (2 outlets per bank) that can be powered off and back on again via software interface
- IEC320-C20 input connection accepts a variety of detachable cord sets to match country or site-specific wall receptacles
- PowerAlert UPS monitoring and unattended shutdown software included

- Offers simultaneous monitoring by up to 4 directly-connected devices through included USB and DB9 interface ports, or the monitoring by any number of additional servers over IP with included PowerAlert monitoring software
- Communications ports support messaging of UPS and line power status, including on-battery, low-battery, power restored, AC line voltage, DC battery voltage and remaining battery capacity
- Emergency Power Off (EPO) interface with cable
- Supports timed inverter shutoff after unattended shutdown, activate self-test and UPS output power control for delayed or immediate reboot of connected devices
- Optional PDUBHV20 bypass PDU enables hot-swappable UPS replacement with no disruption to connected equipment
- Supports Tripp Lite's WatchDog software application (requires optional WATCHDOGSW)
- Built-in accessory slot supports SNMP with optional SNMPWEBCARD adapter
- Emergency Power Off (EPO) interface with cable
- Multi-function audible alarms and set of 5 front panel LEDs
- Network-grade AC surge suppression

Specifications

SELECTOR	
Selector Type	UPS SYSTEMS

General Info	
Product Group	UPS SYSTEMS
TAA Compliant	No

OVERVIEW	
UPS Family	SmartPro Network
UPS Type	Line-Interactive

OUTPUT	
Output Volt Amp Capacity (VA)	3000
Output kVA Capacity (kVA)	3
Output Watt Capacity (Watts)	2250
Output kW Capacity (kW)	2.2
Power Factor	0.8
Nominal Output Voltage(s) Supported	220V; 230V; 240V
Nominal Voltage Details	230v nominal inverter output voltage
Frequency Compatibility	50 / 60 Hz
Output Voltage Regulation (Line Mode)	-19% +8%

Output Voltage Regulation (Battery Mode)	+/- 5%
Output Receptacles	(8) C13; (1) C19
Included Output Power Cables	Includes 3 C13 to C14 output power cables
Load Management Receptacles	Three switchable two-outlet C13 load banks
Output Circuit Breakers	10A (x2) - each breaker protects 4 C13 outlets each, C19 is unbreakered
Hot-Swap PDU options	PDUBHV20 (2U / 6 C13, 2 C19 outlets)
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	PWM sine wave

INPUT

Rated input current (Maximum Load)	15.4A
Nominal Input Voltage(s) Supported	230V AC
UPS Input Connection Type	C20 inlet
UPS Input Connection Description	IEC320-C20 input connection accepts a variety of detachable cordsets to match country or site-specific wall receptacles
Input Phase	Single-Phase

BATTERY

Full Load Runtime (min.)	4 min. (2250w)
Half Load Runtime (min.)	14 min. (1125w)
Expandable Battery Runtime	Extended runtime supported via optional external battery packs
External Battery Pack Compatibility	BP48V24-2U (limit 1); BP48V60RT-3U (multi-pack compatible); BP48V27-2US (multi-pack compatible)
DC System Voltage (VDC)	48
Battery Recharge Rate (Included Batteries)	Less than 4 hours from 10% to 90% (typical, full load discharge)
Internal UPS Replacement Battery Cartridge	RBC54
Battery Access	Battery access door
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 151V to 282V
Overvoltage Correction	Input voltages between 245 and 282 are reduced by 12%
Undervoltage Correction	Input voltages between 177 and 199 are boosted by 14%
Severe Undervoltage Correction	Input voltages between 151 and 176 are boosted by 30%

LEDS ALARMS & SWITCHES

LED Indicators	5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status
Audible Alarm	Audible alarm indicates power-failure, overload and low-battery conditions
Alarm Cancel Operation	Power-fail alarm can be silenced using alarm-cancel switch; once silenced, alarm will re-sound to indicate low-battery status
Switches	2 Switches control off/on power status and alarm-cancel/self-test operation

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
UPS Power Module Dimensions (hwd, in.)	14.2 x 9.2 x 12
UPS Power Module Dimensions (hwd, cm)	36.2 x 23.5 x 30.5
UPS Power Module Weight (lbs.)	61
UPS Power Module Weight (kg)	27.7
UPS Shipping Dimensions (hwd / in.)	16 x 14.8 x 19.8
UPS Shipping Dimensions (hwd / cm)	40.6 x 37.5 x 50.2
Shipping Weight (lbs.)	67.5
Shipping Weight (kg)	30.6
Cooling Method	Fan
UPS Housing Material	Polycarbonate

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)	488.3
Battery Mode BTU / Hr. (Full Load)	1143.1
AC Mode Efficiency Rating (100% Load)	94%
Audible Noise	Audible Noise < 47dBA At Front Side 1 Meter

COMMUNICATIONS

Communications Interface	USB; DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface
Network Monitoring Port Description	Supports detailed monitoring of UPS and site power conditions
PowerAlert Software	Included
Communications Cable	2 USB and 2 DB9 cables included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications

LINE / BATTERY TRANSFER	
Transfer Time	2-4 milliseconds
Low Voltage Transfer to Battery Power (Setpoint)	151
High Voltage Transfer to Battery Power (Setpoint)	282

SPECIAL FEATURES	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Hot swappable batteries
Green Energy-Saving Features	Individually controllable load banks

CERTIFICATIONS	
UPS Certifications	CE
UPS Certification Details	CE 62040

WARRANTY	
Product Warranty Period (International)	2-year limited warranty
Product Warranty Period (Mexico)	2-year limited warranty
Product Warranty Period (Puerto Rico)	2-year limited warranty

APPLICATIONS	
UPS Applications	Network/Server