SmartPro 230V 3kVA 2.25kW Line-Interactive UPS, Tower, Extended Run, Network Card Options, USB, DB9 Serial

MODEL NUMBER: **SMARTINT3000VS**





Highlights

- 3kVA/3000VA/2250W line interactive tower UPS system
- 230V nominal output during brownouts to 151V and overvoltages to 282V
- Extended runtime options, Front panel status LEDs
- USB, RS232, EPO and slot for Network Management Card options; 3 switched load banks
- C20 inlet; 8 C13 and 1 C19 outlets; 3 C13 to C14 cables included
- Add optional WEBCARDLX with latest version of PADM20 for IP-based Auto Probe feature

Package Includes

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

Description

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 four 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 nine outlets with three 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. PowerAlert® UPS monitoring software is available via free download. Built-in accessory slot supports Network Management Card option. 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 five 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/2250W 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 BP48V60RT-3U and BP48V27-2US external battery packs
- Intelligent battery management system extends battery life
- 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
- Optional WEBCARDLX (sold separately) with the latest version of PowerAlert Device Manager firmware (PADM20) provides enhanced remote management capabilities
- PADM20 and PowerAlert Element Manager (PAEM) form a powerful tool for expanding maintenance

functions in large installations, including firmware update checks and backup and restoration of device configurations

- IP-based Auto Probe detects lost connectivity and restores service autonomously
- Offers simultaneous monitoring by up to 4 directly-connected devices through included USB and DB9 interface ports
- 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 WatchDog software application (requires optional WATCHDOGSW)
- Slot for Network Management Card options; Compatible with UPS management card options TLNETCARD, WEBCARDLX and SNMPWEBCARD
- Emergency Power Off (EPO) interface with cable
- Multi-function audible alarms and set of 5 front panel LEDs
- Network-grade AC surge suppression

Specifications

OVERVIEW	
UPC Code	037332120311
UPS Type	Line-Interactive
INPUT	
Input Phase	Single-Phase
Rated input current (Maximum Load)	15.4A
Nominal Input Voltage(s) Supported	230V AC
UPS Input Connection Type	C20 inlet
UPS Input Connection Description	User supplies input cabling with C19 output connection
OUTPUT	
Output Capacity (VA)	3000
Output Capacity (kVA)	3
Output Capacity (Watts)	2250
Output Capacity (kW)	2.25
Output Capacity Details	Output is reduced to 1500W maximum with 2 or more external battery packs
Power Factor	0.75
Nominal Voltage Details	230v nominal inverter output voltage
Frequency Compatibility	50 / 60 Hz
Frequency Compatibility Details	Automatic frequency selection

Output Voltage Regulation (Line Mode)	-19% +8%
Output Voltage Regulation (Battery Mode)	+/- 5%
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
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	PWM sine wave
Nominal Output Voltage(s) Supported	220V; 230V; 240V
Output Receptacles	(8) C13; (1) C19
Individually Controllable Load Banks	Yes
BATTERY	
Battery Type	Valve Regulated Lead Acid (VRLA)
Runtime Full Load (min.)	4 min. (2250W)
Runtime Half Load (min.)	14 min. (1125W)
Expandable Runtime	Yes
External Battery Pack Compatibility	BP48V27-2US (multi-pack compatible); BP48V60RT-3U (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)
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 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%
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, 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)	305
Primary UPS Height (mm)	361
Primary UPS Width (mm)	234
Shipping Dimensions (hwd / in.)	19.90 x 15.10 x 16.10
Shipping Dimensions (hwd / cm)	50.55 x 38.35 x 40.89
Shipping Weight (lbs.)	67.80
Shipping Weight (kg)	30.75
UPS Housing Material	Polycarbonate
UPS Power Module Dimensions (hwd, cm)	36.07 x 23.37 x 30.48
UPS Power Module Dimensions (hwd, in.)	14.2 x 9.2 x 12
UPS Power Module Weight (kg)	27.67
UPS Power Module Weight (lbs.)	61
Unit Weight (lbs.)	53.4000
Unit Weight (kg)	24.22
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)	94%
Audible Noise	Audible Noise < 47dBA At Front Side 1 Meter
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
Communications Cable	2 USB and 2 DB9 cables included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
Network Management Card Description	Network management card optional
Communications Interface	DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface; USB
LINE / BATTERY TRANSFER	
Transfer Time	2-4 milliseconds
Low Voltage Transfer to Battery Power (Setpoint)	151
High Voltage Transfer to Battery Power (Setpoint)	282
FEATURES & SPECIFICATIONS	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Auto Probe Monitoring and Reboot (requires WEBCARDLX); Automatic Voltage Regulation (AVR); Hot swappable batteries; Remote management; Surge/noise protection
APPLICATIONS	
UPS Applications	Large Network
STANDARDS & COMPLIANCE	
Product Compliance	RoHS; CE (Europe)
WARRANTY & SUPPORT	
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

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