Model #: SMARTINT2200VS

SmartPro 2.2kVA Line Interactive UPS, SNMPWEBCARD option, Tower, USB, Serial, EPO, 230V

Highlights

- 2.2kVA / 2200VA line interactive tower UPS system
- 230V nominal output during brownouts to 151 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; 2 C13 to C14 cables included

Description

 Tripp Lite's SMARTINT2200VS 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 19 minutes half load runtime and 7 minutes at full load. Maintains regulated 230V nominal output without using battery power during brownouts and overvoltages from 151 to 282V. 2200VA 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 (2 outlets each) 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.

Package Includes

- SMARTINT2200VS 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)

Features

- SMARTINT2200VS line interactive UPS offers protection from blackouts, brownouts, overvoltages and surges
- 2200VA / 1600 watt capacity
- Internal batteries support a half load of 1100VA for 19 minutes and a full load of 2200VA for 7 minutes
- Maintains regulated 230V nominal output during brownouts and overvoltages from 151 to 282V
- Includes 9 UPS supported outlets with 3 individually controllable load banks that can be powered off and back on again via software interface
- IEC320-C20 input connection accepts a variety of detachable cordsets 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 immediate reboot of

connected devices
- 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
- Attractive gray color scheme

Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	2200
Output kVA capacity (kVA)	2.2
Output Watt Capacity (watts)	1600
Output kW capacity	1.6
Output power factor	0.7
Nominal Output Voltage(s) Supported	220V; 230V; 240V
Nominal Voltage details	230v inverter nominal output voltage
Frequency compatibility	50 / 60 Hz
Output voltage regulation (line mode)	-19% +8%
Output voltage regulation (Battery mode)	+/- 5%
Built-in UPS output receptacles	8 C13 outlet(s); 1 C19 outlet(s)
Included output power cables	Includes 3 C13 to C14 output power cables
Built-in controllable switched load banks	Three switchable two-outlet C13 load banks
Output circuit breaker	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
INPUT	
Rated input current (at maximum load)	11.3A
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
Phase	Single-Phase

BATTERY

Full load runtime (minutes)	7 min. (1600w)
Half load runtime (minutes)	19 min. (800w)
DC system voltage (VDC)	48
Battery recharge rate (included batteries)	Less than 4 hours from 10% to 90%
Replacement battery cartridge (internal UPS battery replacement)	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
Alarms	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

Installation form factors supported with included accessories	Tower
Primary form factor	Tower
UPS / Power Module dimensions in primary form factor (height x width x depth / inches)	14.2 x 9.2 x 12
UPS / Power Module dimensions in primary form factor (height x width x depth / cm)	36.2 x 23.5 x 30.5

UPS / Power Module weight (lbs)	54
UPS / Power Module weight (kg)	24.5
UPS Shipping dimensions (height x width x depth / inches)	16 x 14.8 x 19.8
UPS Shipping dimensions (height x width x depth / cm)	40.6 x 37.5 x 50.2
Shipping weight (lbs)	60.5
Shipping weight (kg)	27.5
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)	347.2
Battery mode BTU / hr. (full load)	812.9
Audible Noise	Audible Noise < 47dBA At Front Side 1 Meter

COMMUNICATIONS

Communications interface	USB; DB9 Serial; Contact closure
Network monitoring port description	Supports detailed monitoring of UPS and site power conditions; 2 USB ports, 1 DB9 serial and 1 DB9 contact closure port (4 total)
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 & high efficiency features	Individually controllable load banks
CERTIFICATIONS	
UPS Certifications	CE; Meets FCC Part 15 Category A (EMI)
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

Related Items

Optional Products

Related Model	Description	Qty.
DCATV	Network Surge Suppressor - Essential protection for TV/VCR coaxial lines	1
DNET1	Network Surge Suppressor - Essential protection for data and communication lines	1
DTEL2	Network Surge Suppressor - Essential protection for data and communication lines	1
ENVIROSENSE	Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.)	1
PDU12IEC	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	1
P004-006	6-ft. 18AWG Power cord (IEC-320-C14 to IEC-320-C13)	1
SNMPWEBCARD	For remote monitoring and control via SNMP, Web, or Telnet.	1
U022-010	10-ft. USB2.0 A/B Gold Device Cable (A Male to B Male)	1
WATCHDOGSW	WatchDog Service Monitoring / Reboot Software	1

More information, including related products, owner's manuals, and additional technical specifications, can be found online at

www.tripplite.com/en/products/model.cfm?txtModelID=2700.