

SmartPro 230V 1.5kVA 940W Line-Interactive UPS, Tower, DB9 Serial

MODEL NUMBER: **SMARTINT1500**



Description

Tripp Lite's SMARTINT1500 intelligent, line interactive UPS system protects servers, networking accessories and telecommunications equipment from blackouts, voltage fluctuations and transient surges. Large internal batteries offer 20 minutes half load runtime and 7 minutes at full load during power failures. 1500VA/940 watt power handling capability supports a variety of networking, telecom and various other application types, including the support of multiple network workstations. Includes a total of 6 IEC320-C13 outlets. Supports remote monitoring of UPS and site power conditions via built-in DB9 serial and DB9 contact closure ports. Includes PowerAlert UPS monitoring and unattended shutdown software with complete cabling. Built-in audible alarm and 5 front panel LEDs indicate status of line power, battery power, battery low/replace, voltage regulation and load level. Wall mountable with optional [UPSWM](#) wallmount bracket. Network-grade AC surge suppression protects equipment from damage and performance problems resulting from transient surges. Attractive, small-footprint tower.

Features

- 1500VA/940 watt power handling capability supports a variety of networking, telecom and various other application types
- Built-in voltage regulation and battery support, plus complete AC suppression prevents equipment damage, data loss and downtime
- Large internal batteries offer 20 minutes half load runtime and 7 minutes at full load during power failures
- Intelligent battery management system extends battery life
- Automatic Voltage Regulation(AVR) circuits with two boost and one voltage reduction level maintains usable 230V nominal output over an input voltage range of 165-277V
- Includes 1 DB9 serial and 1 DB9 contact closure monitoring port for remote monitoring of UPS status and site power conditions
- Communications ports support messaging of UPS and line power status, including on-battery, low-battery, power-restored, AC line voltage, DC battery voltage and battery capacity
- PowerAlert UPS monitoring and unattended shutdown software with complete cabling included
- Includes 6 UPS-supported outlets
- Notification of system status via 5 LEDs and multi-function audible alarms
- Wall mountable with [UPSWM](#) wallmount bracket
- Attractive small footprint beige tower housing

Highlights

- 1.5kVA / 1500VA line interactive tower UPS system
- 230V nominal output during brownouts to 165V and overvoltages to 277V
- Front panel status LEDs with load and battery capacity level display
- 2 DB9 ports; 2 C13 to C14 cables; Hot-swap batteries
- C14 inlet; 6 C13 outlets

Package Includes

- SMARTINT1500 UPS System
- 2 IEC-320 C13 to C14 power cables
- 2 DB9 monitoring cables
- PowerAlert unattended shutdown and UPS/Power monitoring software
- Instruction manual with warranty information



- Hot-swappable/user replaceable batteries allow on-site battery replacement
- Network-grade AC surge suppression
- UPS battery set ships fully assembled, no time consuming connection of internal batteries by user is necessary

Specifications

| OUTPUT | |
|--|--|
| Output Volt Amp Capacity (VA) | 1500 |
| Output kVA Capacity (kVA) | 1.5 |
| Output Watt Capacity (Watts) | 940 |
| Power Factor | 0.6 |
| 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) | -15%, +8% |
| Output Voltage Regulation (Battery Mode) | +/- 5% |
| Output Receptacles | (6) C13 |
| Included Output Power Cables | Includes 2 C13 to C14 output power cables |
| Output AC Waveform (AC Mode) | Sine wave |
| Output AC Waveform (Battery Mode) | PWM sine wave |
| INPUT | |
| Rated input current (Maximum Load) | 6.5A |
| Nominal Input Voltage(s) Supported | 230V AC |
| UPS Input Connection Type | C14 inlet |
| Input Circuit Breakers | 10A |
| Input Phase | Single-Phase |
| BATTERY | |
| Full Load Runtime (min.) | 7 min. (940w) |
| Half Load Runtime (min.) | 20 min. (470w) |
| DC System Voltage (VDC) | 36 |
| Battery Recharge Rate (Included Batteries) | Less than 4 hours from 10% to 90% (typical, full load discharge) |
| Internal UPS Replacement Battery Cartridge | RBC53 |



| | |
|---|---|
| Battery Access | Battery access door |
| Battery Replacement Description | Hot-swappable, user replaceable batteries |
| Expandable Runtime | No |
| VOLTAGE REGULATION | |
| Voltage Regulation Description | Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 166 to 277 |
| Overvoltage Correction | Input voltages between 243 and 277 are reduced by 12% |
| Undervoltage Correction | Input voltages between 191 and 215 are boosted by 10% |
| Severe Undervoltage Correction | Input voltages between 165 and 190 are boosted by 22% |
| 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 |
| PHYSICAL | |
| Installation Form Factors Supported with Optional Accessories | Wallmount(UPSWM - tower mounting kit) |
| Primary Form Factor | Tower |
| UPS Power Module Dimensions (hwd, in.) | 12.8 x 7.5 x 9.2 |
| UPS Power Module Dimensions (hwd, cm) | 32.4 x 19 x 23.5 |
| UPS Power Module Weight (lbs.) | 38.6 |
| UPS Power Module Weight (kg) | 17.5 |
| UPS Shipping Dimensions (hwd / in.) | 18.2 x 12 x 13.8 |
| UPS Shipping Dimensions (hwd / cm) | 46.4 x 30.5 x 34.9 |
| Shipping Weight (lbs.) | 43.2 |
| Shipping Weight (kg) | 19.6 |
| UPS Housing Material | Polycarbonate |



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| 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) | 204 |
| Battery Mode BTU / Hr. (Full Load) | 435.8 |
| AC Mode Efficiency Rating (100% Load) | 94% |
| COMMUNICATIONS | |
| Communications Interface | DB9 Serial; Contact closure |
| Network Monitoring Port Description | Supports detailed monitoring of UPS and site power conditions; contact closure communications via 2nd DB9 port (2 total) |
| PowerAlert Software | Included |
| Communications Cable | 2 DB9 cables included |
| LINE / BATTERY TRANSFER | |
| Transfer Time | 2-4 milliseconds |
| Low Voltage Transfer to Battery Power (Setpoint) | 165 |
| High Voltage Transfer to Battery Power (Setpoint) | 277 |
| SPECIAL FEATURES | |
| Cold Start (Startup in Battery Mode During a Power Failure) | Cold-start operation supported |
| High Availability UPS Features | Hot swappable batteries |
| CERTIFICATIONS | |
| UPS Certifications | Tested to UL1778 (USA); Tested to CSA (Canada); CE; Tested to GOST (Russia); Tested to SASO (Saudi Arabia); Tested to IRAM (Argentina) |
| UPS Certification Details | EMI approvals 62040 |
| WARRANTY | |
| Product Warranty Period (International) | 2-year limited warranty |
| Product Warranty Period (Mexico) | 2-year limited warranty |



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