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Model #: SMART3000RM2UN

SmartPro 3kVA 2.25kW Line Interactive Sine Wave UPS, Pre-installed SNMPWEBCARD, 2U, LCD, USB, Serial, EPO, 120V



Highlights

- 3kVA / 3000VA / 2250W line interactive 2U rack/tower UPS
- 120V nominal output during brownouts to 83V and overvoltages to 145V
- Interactive LCD provides UPS status information and advanced configuration options
- USB, RS232, EPO and Pre-installed SNMPWEBCARD interface
- Hot-swap batteries, 98% efficiency, Sine wave output
- 2 independently switchable output load banks
- NEMA L5-30P input, 8 NEMA 5-15/20R & 1 L5-30R outlets
- **This product is ENERGY STAR qualified for its ability to save customers money while helping to protect the environment**

Description

Tripp Lite SmartPro Line Interactive UPS with enhanced LCD interface offers network-grade power protection for critical server, network and telecommunications equipment. Line Interactive Uninterruptible Power Supply (UPS) with built-in Auto-Voltage Regulation (AVR) actively corrects brownouts and overvoltages back to usable levels while maintaining a full battery charge in case of power failure. Tripp Lite's unique configuration excels in exceptionally poor-power environments with two separate levels of voltage boost to correct both slight undervoltages and severe brownout conditions. Interactive LCD interface reports UPS operating mode, detailed UPS and site-power data, plus enables a variety of UPS setup and configuration options. Super-fast switchover from line to battery power occurs within milliseconds to maintain operation of connected equipment without interruption or reboot. 98% line-mode efficiency offers reduced heat emissions and operating costs. Network management interfaces support communications via USB, RS-232 and pre-installed SNMPWEBCARD network interface. HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X. Network communications ports enable detailed monitoring of equipment load levels, self-test data and utility power conditions. Includes PowerAlert monitoring software and complete cabling. Switched output load banks enable scheduled and real-time remote reboot and load shedding of select outlets. Emergency Power Off (EPO) interface. LCD display panel easily rotates for viewing in rackmount or tower configurations. Audible alarm with push-button momentary alarm-cancel and silent-mode configuration options. Programmable self-test. Field-replaceable, hot-swappable battery modules.

Package Includes

- SMART3000RM2UN UPS System with Pre-installed SNMPWEBCARD
- PowerAlert Software with USB, Serial & EPO cabling
- 4-post rackmount installation kit
- Instruction manual

Features

- Tripp Lite SMART3000RM2UN line interactive 2U rack/tower UPS with 3000VA / 3kVA capacity (1600W maximum load with external battery packs)
- Line interactive UPS with Automatic Voltage Regulation (AVR) corrects brownouts and overvoltages from 83 to 145V
- NEMA L5-30P input plug; 8 NEMA 5-15/20R and 1 L5-30R output receptacles, Two independently switchable output load banks
- Maintains uninterrupted operation of connected networking equipment during blackouts, surges, brownouts and overvoltages
- High 98% efficiency rating in line-power mode offers reduced power consumption and BTU emissions
- Internal batteries offer 10 minutes at 50% load (1125W) and 3.5 minutes at 100% load (2250W)
- Extended runtime is available with optional BP48V24-2U (limit 1) OR BP48V60RT3U (no limit) external battery packs (max output de-rates to 1600 watts with external batteries)
- External battery configurations require the use of Tripp Lite's External Battery Configuration Software (see manual)
- Hot-swappable, user-replaceable internal batteries and external battery packs can be replaced with no disruption to connected equipment
- Front panel LCD monitoring screen with MODE and ENTER buttons reports operating mode with 5-bar battery charge graphic, plus 7

selectable screens of detailed UPS and site power information

- LCD interface also supports a number of advanced user setup and operating preferences
- Ships with 4 post rackmount installation hardware; Optional 2POSTRMKITWM enables 2 post rackmount/wallmount installation; Optional 2-9USTAND enables tower placement
- Built-in USB, RS-232 and pre-installed SNMPWEBCARD accessory
- HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X
- Included PowerAlert UPS monitoring software; Built-in Emergency Power Off (EPO) interface with cable

Specifications

| OUTPUT | |
|---|---|
| Output Volt Amp Capacity (VA) | 3000 |
| Output kVA capacity (kVA) | 3 |
| Output Watt Capacity (watts) | 2250 |
| Output kW capacity | 2.25 |
| Output power factor | 0.75 |
| Nominal Output Voltage(s) Supported | 120V |
| Frequency compatibility | 60 Hz |
| Output voltage regulation (line mode) | -14%, +6% |
| Output voltage regulation (Battery mode) | +/- 5% |
| Built-in UPS output receptacles | 8 5-15/20R outlet(s); 1 L5-30R outlet(s) |
| Built-in controllable switched load banks | Two switchable single-outlet load banks |
| Output circuit breaker | Two 20A output breakers protect 4 5-15/20R outlets each |
| Output AC waveform (AC mode) | Pure Sine wave |
| Output AC waveform (battery mode) | Pure Sine wave |
| INPUT | |
| Rated input current (at maximum load) | 24A |
| Nominal Input Voltage(s) Supported | 120V AC |
| UPS input connection type | L5-30P |
| UPS Input cord length (ft.) | 10 |
| UPS Input cord length (m) | 3 |

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| Recommended Electrical Service | 30A 120V |
| BATTERY | |
| Full load runtime (minutes) | 3.5 min. (2250w) |
| Half load runtime (minutes) | 10 min. (1125w) |
| Expandable battery runtime | Output with external battery pack configurations is limited to 1600 watts maximum |
| External battery pack compatibility | BP48V24-2U (limit 1); BP48V60RT-3U (multi-pack compatible) |
| DC system voltage (VDC) | 48 |
| Battery recharge rate (included batteries) | Less than 4.5 hours from 10% to 90% |
| Replacement battery cartridge (internal UPS battery replacement) | RBC94-2U |
| Battery Access | Front panel 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 83 to 145 |
| Overvoltage correction | Input voltages between 127 and 145 are reduced by 12% |
| Undervoltage correction | Input voltages between 108 and 96 are boosted by 12% |
| Severe undervoltage correction | Input voltages between 83 and 95 are boosted by 24% |
| LEDS ALARMS & SWITCHES | |
| Front panel LCD display | Front panel LCD information and configuration screen offers detailed UPS and site power status and operating data, plus configuration of voltage, operating mode, alarm function and a variety of additional options (see manual for detailed LCD configuration and monitoring options) |
| Alarms | Audible alarm indicates UPS startup, power-failure, low-battery, overload, UPS fault and remote shutdown conditions |
| Alarm cancel operation | Power-fail alarm can be temporarily silenced using alarm-cancel switch; silent mode alarm configuration option available |
| Switches | 3 pushbutton switches control OFF / ON power status, MODE selection and MUTE / ENTER control functions |
| SURGE / NOISE SUPPRESSION | |
| UPS AC suppression joule rating | 570 |
| UPS AC suppression response time | Instantaneous |
| EMI / RFI AC noise suppression | Yes |
| PHYSICAL | |

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| Installation form factors supported with included accessories | 4 post 19 inch rackmount |
| Installation form factors supported with optional accessories | 2 post rackmount (2POSTRMKITWM); Wallmount (2POSTRMKITWM); Tower (2-9USTAND) |
| Primary form factor | Rackmount |
| UPS / Power Module dimensions in primary form factor (height x width x depth / inches) | 3.5 x 17.5 x 19.5 |
| UPS / Power Module dimensions in primary form factor (height x width x depth / cm) | 8.9 x 44.4 x 49.5 |
| Rack Height | 2U |
| Secondary form factor | Tower (requires 2-9USTAND) |
| UPS / Power Module weight (lbs) | 62.8 |
| UPS / Power Module weight (kg) | 28.5 |
| UPS Shipping dimensions (height x width x depth / inches) | 7.9 x 21.7 x 24.2 |
| UPS Shipping dimensions (height x width x depth / cm) | 20.1 x 61.5 x 62 |
| Shipping weight (lbs) | 73.8 |
| Shipping weight (kg) | 33.5 |
| Cooling method | Fan |
| UPS housing material | Steel |
| 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) | 189 |
| Operating Elevation (ft.) | 0-3000m / 0-10,000 ft. |
| COMMUNICATIONS | |
| Communications interface | USB (HID enabled); DB9 Serial; Slot for SNMP/Web interface |

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| Network monitoring port description | Includes pre-installed SNMPWEBCARD interface; Supports detailed monitoring of UPS and site power conditions |
| PowerAlert software | Included |
| Communications cable | USB and DB9 cabling included |
| WatchDog compatibility | Supports Watchdog application, OS and hard-reboot restart options for remote applications |
| LINE / BATTERY TRANSFER | |
| Transfer time | 5 milliseconds (AC to battery); 1 millisecond (battery to AC) |
| Low voltage transfer to battery power (setpoint) | 83 |
| High voltage transfer to battery power (setpoint) | 145 |
| SPECIAL FEATURES | |
| Grounding lug | Includes back panel grounding lug |
| 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 | Greater than 95% efficiency - GREEN UPS; Individually controllable load banks |
| CERTIFICATIONS | |
| UPS Certifications | Tested to UL1778 (USA); Tested to CSA (Canada); Tested to NOM (Mexico); Meets FCC Part 15 Category A (EMI); ENERGY STAR Qualified |
| WARRANTY | |
| Product Warranty Period (Worldwide) | 2-year warranty, 3 year with registration . Note: registration is required for 3-year warranty. |
| Connected Equipment Insurance (U.S., Canada & Puerto Rico) | \$250,000 Ultimate Lifetime Insurance |

Related Items

Optional Products

| Related Model | Description | Qty. |
|---------------------------------|--|------|
| WEXT5-2200-3000 | 5-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 2200-3000VA or less | 1 |
| BP48V24-2U | External Battery Pack for UPS System | 1 |
| BP48V60RT-3U | External Battery Pack and Cable. 3U, Expandable, Blue 2-Point Connector | 1 |
| ENVIROSENSE | Monitors temperature, humidity and contact-closure inputs. (Requires UPS with SNMPWEBCARD, monitored PDU or switched PDU.) | 1 |
| SR SWITCH | Magnetic Door Switch Kit for front and rear doors; requires ENVIROSENSE | 1 |
| 2-9USTAND | Enables Tower Placement of Rackmount UPS Systems | 1 |
| 2POSTRMKITWM | Enables 2-Post Rackmount or Wallmount Installation of Select Rackmount UPS Systems | 1 |

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| WATCHDOGSW | WatchDog Service Monitoring / Reboot Software | 1 |
| PDU1220 | Single-Phase Basic PDU, 20A 120V, 1U Horizontal Rackmount, 13 NEMA 5-15/20R outlets, NEMA 5-20P input plug | 1 |
| PDUV20 | Single-Phase Basic PDU, 20A 120V, 0U Vertical Rackmount, 14 NEMA 5-15/20R outlets, NEMA L5-20P input with 5-20P adapter | 1 |
| PDUMH20 | Single-Phase Metered PDU, 20A 120V, 1U Horizontal Rackmount, 12 NEMA 5-15/20R outlets, NEMA L5-20P input with 5-20P adapter | 1 |
| PDUNV | Single-Phase Basic PDU, 16A 100-240V, 1U Rackmount, C13 C19 outlets, C20 input and C14, L6-20P, L5-20P, 5-20P and 5-15P adapters | 1 |
| PDUMV20 | Single-Phase Metered PDU, 20A 120V, 0U Vertical Rackmount, 28 NEMA 5-15/20R outlets, NEMA L5-20P input with 5-20P adapter | 1 |
| PDUMNV20 | Single-Phase Monitored PDU, 20A 120V, 70 in. 0U Vertical Rackmount, 24 NEMA 5-15/20R outlets, NEMA L5-20P input with 5-20P adapter | 1 |
| PDUMNH20 | Single-Phase Monitored PDU, 20A 120V, 1U Horizontal Rackmount, 8 NEMA 5-15/20R outlets, NEMA L5-20P input with 5-20P adapter | 1 |
| PDUMV20NET | Single-Phase Switched PDU, 20A 120V, 0U Vertical Rackmount, 24 NEMA 5-15/20R outlets, NEMA L5-20P input with 5-20P adapter | 1 |
| PDUMH20AT | Single-Phase Auto Transfer Switch / Metered PDU, 20A 120V, 1U Horizontal Rackmount, 16 5-15/20R outlets, 2 L5-20P / 5-20P adapters | 1 |
| PDUMH20ATNET | Single-Phase Auto Transfer Switch / Switched PDU 20A 120V, 1U Horizontal Rackmount, 16 5-15/20R outlets, 2 L5-20P / 5-20P inputs | 1 |
| PDUB20 | Single-Phase Hot-Swap PDU, 20A 120V, 2U Horizontal Rackmount, 4 NEMA 5-15R & 4 NEMA 5-15/20R outlets, 2 NEMA 5-20P input plugs | 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=5426.

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