Model #: SMART3000RMXL2U

SmartPro 3kVA 2880W Line Interactive Sine Wave UPS, Extended-Run & SNMPWEBCARD options, 2U Rack/Tower, LCD, USB, RS232, EPO, 120V

Highlights

- 3kVA / 3000VA / 2880W line interactive 2U rack/tower UPS, Sine Wave
- 120V output, Corrects brownouts and overvoltages from 83V to 145V
- 0.96 Power Factor, Interactive LCD interface
- Extended runtime options up to 2880W
- 4 post compatible mounting accessories
- 96% line-mode efficiency, 2 switched load banks
- USB, RS232, EPO and slot for SNMPWEBCARD option
- 120V 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. 96% line-mode efficiency offers reduced heat emissions and operating costs. Network management interfaces support communications via USB, RS-232 and optional 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.

Applications

Ideal for server, networking and telecommunications equipment

Package Includes

- SMART3000RMXL2U UPS system
- PowerAlert Software with USB, Serial & EPO cabling
- 4 post rackmount installation kit
- Instruction manual

Features

- Tripp Lite SMART3000RMXL2U line interactive 2U rack/tower UPS with 3000VA / 3kVA capacity and extended runtime options
- 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 96% efficiency rating in line-power mode offers reduced power consumption and BTU emisssions
- Internal batteries offer 10 minutes at 50% load (1440W) and 3 minutes at 100% load (2880W)
- Extended runtime is available with optional BP48V24-2U (limit 1) OR BP48V60RT3U (no limit) external battery packs
- 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 optional SNMPWEBCARD accessory monitoring options
- 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)	2880
Output kW capacity	2.88
Output power factor	.96
Nominal Output Voltage(s) Supported	120V
Frequency compatibility	60 Hz
Output voltage regulation (line mode)	+6%, -14%
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 5-15/20R 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

Recommended Electrical Service	30A 120V

BATTERY

Full load runtime (minutes)	3 min. (2880w)
Half load runtime (minutes)	10 min. (1440w)
Expandable battery runtime	Extended runtime supported via optional external battery packs
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 5 hours from 10 to 90%
Replacement battery cartridge (internal UPS battery replacement)	RBC58-2U
Battery Access	Front panel battery access door
Battery replacement description	Hot-swappable, 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
EMI / RFI AC noise suppression	Yes
AC suppression response time	Instantaneous

PHYSICAL

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
UPS / Power Module dimensions in primary form factor (height x width x depth / cm)	8.9 x 44.4 x 48.3
Rack Height	2U
Secondary form factor	Tower (requires 2-9USTAND)
UPS / Power Module weight (lbs)	72.8
UPS / Power Module weight (kg)	33.1
UPS Shipping dimensions (height x width x depth / inches)	9 x 23.5 x 20
UPS Shipping dimensions (height x width x depth / cm)	22.9 x 59.7 x 50.8
Shipping weight (lbs)	84.6
Shipping weight (kg)	38.4
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)	409

COMMUNICATIONS

Communications interface	USB (HID enabled); 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	USB, DB9 and EPO 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 mode), 1 millisecond (Battery to AC mode)
Low voltage transfer to battery power (setpoint)	83
High voltage transfer to battery power (setpoint)	145

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	Greater than 95% efficiency - GREEN UPS; Individually controllable load banks; Schedulable daily hours of economy mode operation

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.
BP48V24-2U	BP48V242U - External Battery Pack for UPS System	1
BP48V60RT-3U	External Battery Pack and Cable. 3U, Expandable, Blue 2-Point Connector	1
WEXT5-2200-3000	5-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 2200-3000VA or less	1
SNMPWEBCARD	For remote monitoring and control via SNMP, Web, or Telnet.	1
ENVIROSENSE	Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.)	1
SRSWITCH	Magnetic Door Switch Kit (2-pack for front and rear doors; requires ENVIROSENSE.)	1
2-9USTAND	Enables Tower Placement of Rackmount UPS Systems	1
MODBUSCARD	For remote monitoring and control via MODBUS protocol	1
2POSTRMKITWM	Enables 2-Post Rackmount or Wallmount Installation of Select Rackmount UPS Systems	1

RBC58-2U	2U UPS Replacement Battery Cartridge for select Tripp Lite UPS systems	1
PDU2430	Single-Phase Basic PDU, 30A 120V, 1U Horizontal Rackmount, NEMA 5-15R outlets, NEMA L5-30P input plug	1
PDUB30	Single-Phase Hot-Swap PDU, 30A 120V, 2U Horizontal Rackmount, NEMA 5-15/20R & L5-30R outlets, set of 2 NEMA L5-30P input plugs	1
PDUMH30	Single-Phase Metered PDU, 30A 120V, 1U Horizontal Rackmount, NEMA 5-15/20R outlets, NEMA L5-30P input plug	1
PDUMH30AT	Single-Phase Auto Transfer Switch / Metered PDU, 30A 120V, 2U Horizontal Rackmount, 5-15/20R & L5-30R outlets, two L5-30P inputs	1
PDUMH30ATNET	Single-Phase Auto Transfer Switch / Switched PDU, 30A 120V, 2U Horizontal Rackmount, 5-15/20R & L5-30R outlets, 2 L5-30P inputs	1
PDUMH30NET	Single-Phase Switched PDU, 30A 120V, 2U Horizontal Rackmount, NEMA 5-15/20R outlets, NEMA L5-30P input plug.	1
PDUMNH30	Single-Phase Monitored PDU, 30A 120V, 2U Horizontal Rackmount, 5-15/20R outlets, L5-30P input	1
PDUMNV30	Single-Phase Monitored PDU, 30A 120V, 0U Vertical Rackmount, NEMA 5-15/20R outlets, NEMA L5-30P input plug	1
PDUMV30	Single-Phase Metered PDU, 30A 120V, 0U Vertical Rackmount, NEMA 5-15/20R outlets, NEMA L5-30P input plug	1
PDUMV30NET	Single-Phase Switched PDU, 30A 120V, 0U Vertical Rackmount, NEMA 5-15/20R outlets, NEMA L5-30P input plug	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=4418.