Model #: SM1500RMNAFTA

Smart Pro Line Interactive Rack/Tower UPS System - NAFTA assembled version of SMART1500RMXL2Ua

Highlights

- 1500VA / 1.5kVA line interactive, extended-run 2U rack / tower UPS
- Maintains sine-wave 120V nominal output over an input range of 79 to 147V
- Network communications supported via USB port, serial port, SNMP/Web card slot and EPO interface
- Current monitoring and switched PDU control via 3 two-outlet load banks
- Input: NEMA 5-15P (120V 15A) / Output: 8 NEMA 5-15R (120V)
- $250,000 Ultimate Lifetime Insurance (USA, Puerto Rico and Canada only)

Description

Tripp Lite's SM1500RMNAFTA intelligent, line interactive rack/tower uninterruptible power supply prevents data loss, downtime and equipment damage due to power outages, voltage fluctuations and transient surges. Requires only two rack spaces (2U) in a standard rack enclosure. Large internal batteries offer 21 minutes half load runtime and 7.5 minutes at full load. Runtime is expandable with optional BP36V15-2U external battery pack (limit 1) or BP36V42-3U (multi-pack compatible). Maintains regulated 120V nominal output without using battery power during brownouts and overvoltages from 75 to 147V. 1500VA / 1000 watt power handling capability supports a variety of networking, telecom and other sensitive electronic applications. Includes a total of 8 outlets with 3 load banks that are individually controllable via software interface to reboot select equipment on demand or shed less significant loads to extend battery runtime for more critical equipment. Supports 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 all-black color scheme. $250,000 connected equipment insurance (USA and Canada Only).

Package Includes

SM1500RMNAFTA UPS System

PowerAlert software with USB and DB9 cables

Mounting hardware for 4 post rackmount installation

Cable for Emergency Power Off interface

Instruction manual with warranty information

Features

- SM1500RMNAFTA line interactive UPS offers voltage regulation and battery support, plus complete AC surge suppression
- Supports 2U rackmount and upright tower applications

- Full time sine wave output offer guaranteed compatibility with all equipment types
- Supports a max load of 1500VA for 7.5 minutes and a half load of 750VA for 21 minutes
- Expandable runtime with BP36V15-2U (limit 1) or with multiple BP36V42-3U rack/tower external battery packs
- Maintains regulated 120V nominal output during brownouts and overvoltages from 75 to 147V
- 1500VA / 1000 watt power handling capability supports a variety of sensitive electronic loads
- Includes 8 UPS supported outlets arranged in 3 individually controllable load banks
- Built in USB and DB9 serial ports support remote monitoring of UPS and site power conditions
- 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 all-black color scheme
- UPS battery set ships fully assembled and ready for installation, no time consuming connection of internal batteries by user is necessary
- $250,000 connected equipment insurance (USA and Canada Only)
- Mounting hardware included for 4 post rackmount enclosures, 2 post telecom rack compatible with separate purchase 2POSTRMKITWM, compatible with upright tower installation with included hardware

Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	1500
Output kVA capacity (kVA)	1.5
Output Watt Capacity (watts)	1000
Output kW capacity	1
Output power factor	0.7
Nominal Output Voltage(s) Supported	120V
Frequency compatibility	60 Hz
Output voltage regulation (line mode)	-18%, +8%
Output voltage regulation (Battery mode)	+/- 5%
Built-in UPS output receptacles	8 5-15R outlet(s)
Built-in controllable switched load banks	Three switchable two-outlet 5-15R load banks
Basic PDU options	PDU1215 (1U / 13 5-15R outlets); PDUNV (1U / 2 C19, 12 C13 outlets); PDU1415 (0U / 14 5-15R outlets); PDUV15 (0U / 12 5-15R outlets)
Metered PDU options	PDUMH15 (1U / 13 5-15R outlets); PDUMH15AT (1U / 8 5-15R outlets)*; PDUMV15 (0U / 16 5-15R outlets)
Switched PDU options	PDUMH15ATNET (1U / 8 5-15R outlets)*; PDUMV15NET (0U / 16 5-15R outlets)
External PDU redundancy options	*Auto Transfer Switch features utilizing the secondary PDU input cord are compatible with Smart Online UPS models only
Output AC waveform (AC mode)	Sine wave
Output AC waveform (battery mode)	Pure Sine wave

INPUT

Rated input current (at maximum load)	10.1A
Nominal Input Voltage(s) Supported	120V AC
UPS input connection type	5-15P
Input circuit breaker	15A
UPS Input cord length (ft.)	10
UPS Input cord length (m)	3
Recommended Electrical Service	15A 120V

BATTERY

Full load runtime (minutes)	7.5 min. (1000w)
Half load runtime (minutes)	21 min. (500w)
Expandable battery runtime	Extended runtime supported via optional external battery packs
External battery pack compatibility	BP36V15-2U (limit 1); BP36V42-3U (multi-pack compatible)
DC system voltage (VDC)	36
Battery recharge rate (included batteries)	Less than 4.5 hours from 10% to 90%
Replacement battery cartridge (internal UPS battery replacement)	RBC93-2U
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 75 to 147
Overvoltage correction	Input voltages between 128 and 147 are reduced by 12%
Undervoltage correction	Input voltages between 95 and 104 are boosted by 12%
Severe undervoltage correction	Input voltages between 75 and 94 are boosted by 24%

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	4 post 19 inch rackmount (mounting rail kit included)
Included mounting accessory description	Adjustable mounting rail kit included
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 13.5
UPS / Power Module dimensions in primary form factor (height x width x depth / cm)	8.9 x 44.4 x 34.3
Installed whole system dimensions in secondary form factor (height x width x depth / cm)	44.45 x 8.89 x 34.29
Rack Height	2U
Secondary form factor	Tower (requires 2-9USTAND)
Installed whole system dimensions in secondary form factor (height x width x depth / inches)	17.5 x 3.5 x 13.5
UPS dimensions in secondary form factor (height x width x depth / cm)	44.4 x 8.9 x 34.3
UPS / Power Module weight (lbs)	43.5
UPS / Power Module weight (kg)	19.7
UPS Shipping dimensions (height x width x depth / inches)	9 x 24 x 20.2
UPS Shipping dimensions (height x width x depth / cm)	22.9 x 61 x 51.4
Shipping weight (lbs)	53
Shipping weight (kg)	24.1

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)	34.3
Battery mode BTU / hr. (full load)	463.6

COMMUNICATIONS

Communications interface	USB; 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 and DB9 cabling 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)	75
High voltage transfer to battery power (setpoint)	147

SPECIAL FEATURES

Grounding lug	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 B (EMI); ROHS (Restriction of Hazardous Substances)

WARRANTY

Product Warranty Period (Worldwide)	2-year limited warranty
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	$250,000 Ultimate Lifetime Insurance

Related Items

Optional Products

Related Model	Description	Qty.
BP36V15-2U	BP36V15-2U - External Battery Pack for UPS System	1
BP36V42-3U	BP36V42-3U - External Battery Pack for UPS System	1
CT120	Instant-Read- AC Outlet Circuit Tester	1
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
PDU1215	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	1
PS7224	Tripp Lite Power Strip - Multiple outlets wherever you need them	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
WEXT3-500-1500	3-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less	1
WEXT5-500-1500	5-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less	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
MODBUSCARD	For remote monitoring and control via MODBUS protocol	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?variables.txtModelID=3537.