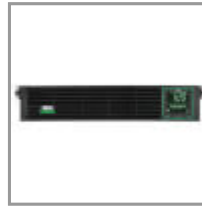


SmartPro UPS, Lithium Battery Backup - 120V 1.5kVA Line Interactive, 2U, Sine Wave, LCD, Energy Star

MODEL NUMBER: **SMART1500RM2UL**



Lithium UPS protects connected equipment against damage, downtime and data loss due to blackouts, power surges and line noise.

Features

Protects Rack-Mounted Equipment

This UPS provides fully regulated sine wave AC output for servers, telecom hardware and other applications where long battery lifespan is critical. Plug your equipment into the eight NEMA 5-15R outlets. Two outlets are switchable, allowing you to power connected equipment on and off remotely to reset or reboot connected equipment or to shed less significant loads to extend battery runtime for more critical equipment. All outlets are protected by 570-joule network-grade surge protection to fight off damaging power surges and spikes.

Superior LiFePO4 Battery Backup Compared to Lead Acid Battery

With more than double the service life, three times more charge/discharge cycles and 60% the weight of comparable lead-acid batteries, the LiFePO4 battery features 120 volt battery backup and recharges to 100% capacity in less than two hours. The LiFePO4 battery is field-replaceable and hot-swappable.

Automatic Voltage Regulation (AVR) Conserves Battery Power

AVR maintains 120V nominal output over input range of 83V–145V without using battery power.

EMI/RFI Line Noise Filtering Keeps Equipment Performing in Top Form

Noise filtering removes electromagnetic and radio frequency interference that can disrupt equipment performance.

Multi-Function LCD and Audible Alarms Keep You Informed

The front-panel LCD information and configuration screen displays detailed UPS and site power status and operating data, as well as input and output voltage, operating mode, alarm function and additional options. An alarm sounds to warn you of power failure, low battery, overload, UPS fault and remote shutdown conditions. The LCD screen rotates for easy viewing in rack-mount or tower configurations.

Optional Network Management Cards

The SMART1500RM2UL is compatible with Tripp Lite UPS management cards, such as WEBCARDLX, for detailed monitoring of UPS and site power conditions.

Communications Ports

USB and DB9 ports enable unattended shutdown when used with Tripp Lite PowerAlert software (available free at www.tripplite.com/poweralert). EPO port supports emergency shutdown in large

Highlights

- LiFePO4 battery offers longer life, more cycles and faster recharge
- ENERGY STAR qualified; 97% line-mode efficiency saves energy
- 8 NEMA 5-15R outlets—2 switchable via network interface
- 120V NEMA 5-15P input with 10 ft. power cord to connect to distant outlets

Applications

- Deliver regulated sine wave output to connected equipment in a network closet or small-business network
- Protect point-of-sale and VoIP networks against power surges and spikes
- Keep your server room operational during short power failures and allow time for safe shutdowns during longer blackouts
- Back up servers, network storage devices, telecom hardware and other applications where long battery lifespan is critical
- Provide high-level power protection with a low-maintenance design

Package Includes

- SMART1500RM2UL SmartPro 120V 1.5kVA 1.44kW Line-Interactive Sine Wave UPS



facilities.

Versatile Installation Options

The SMART1500RM2UL includes hardware for 4-post mounting in 2U of EIA-standard 19-inch rack. This UPS mounts on a wall, 2-post rack or in an upright tower position.

ENERGY STAR Certified

Operating with a high 97% line-mode efficiency, the ENERGY STAR-certified 1.5kVA UPS system can save BTU heat output and energy costs by meeting strict EPA guidelines.

Ultimate Lifetime Insurance and 5-Year Warranty

This UPS system is backed by Tripp Lite's \$250,000 Ultimate Lifetime Insurance, which covers any connected components (U.S., Canada and Puerto Rico only). It also has a 5-year limited warranty.

- USB cable
- DB9 cable
- EPO cable
- Rack-mounting hardware
- Owner's manual

Specifications

OVERVIEW	
UPC Code	037332213587
OUTPUT	
Output Volt Amp Capacity (VA)	1500
Output kVA Capacity (kVA)	1.5
Output Watt Capacity (Watts)	1440
Output kW Capacity (kW)	1.44
Power Factor	0.96
Nominal Output Voltage(s) Supported	110V; 115V; 120V
Nominal Voltage Details	120v nominal output in battery mode
Frequency Compatibility	60 Hz
Output Voltage Regulation (Line Mode)	-14%, +6%
Output Voltage Regulation (Battery Mode)	+/- 5%
Output Receptacles	(4) 5-15R; (4) 5-15/20R
Load Management Receptacles	Two switchable single-outlet load banks
Output AC Waveform (AC Mode)	Pure Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave
INPUT	
Rated input current (Maximum Load)	12A (120V)
Nominal Input Voltage(s) Supported	120V AC
UPS Input Connection Type	5-15P
UPS Input Cord Length (ft.)	10



UPS Input Cord Length (m)	3.1
Recommended Electrical Service	15A 120V
Input Phase	Single-Phase
BATTERY	
Full Load Runtime (min.)	7.1 min. (1440w)
Half Load Runtime (min.)	15.4 min. (720w)
DC System Voltage (VDC)	48
Battery Recharge Rate (Included Batteries)	1.4 hours from 10% to 90% (typical, full load discharge)
Expandable Runtime	No
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%
USER INTERFACE, ALERTS & CONTROLS	
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)
Switches	3 pushbutton switches control OFF / ON power status, MODE selection and MUTE / ENTER control functions
Alarm Cancel Operation	Power-fail alarm can be temporarily silenced using alarm-cancel switch; silent mode alarm configuration option available
Audible Alarm	Audible alarm indicates UPS startup, power-failure, low-battery, overload, UPS fault and remote shutdown conditions
SURGE / NOISE SUPPRESSION	
UPS AC Suppression Joule Rating	570
UPS AC Suppression Response Time	Instantaneous
EMI / RFI AC Noise Suppression	Yes
PHYSICAL	
Included Mounting Accessory Description	4 post rackmount installation accessories included
Installation Form Factors Supported with Optional Accessories	2 post rackmount (2POSTRMKITWM); Wallmount (2POSTRMKITWM); Tower (2-9USTAND); 2-4 post front rail rackmount (UPSHDEARKIT)
Primary Form Factor	Rackmount
UPS Power Module Dimensions (hwd, in.)	3.43 x 17.32 x 19.46



UPS Power Module Dimensions (hwd, cm)	8.71 x 43.99 x 49.43
Rack Height (U Spaces)	2
Minimum Required Rack Depth (inches)	24.5
Minimum Required Rack Depth (cm)	62.23
UPS Power Module Weight (lbs.)	41.78
UPS Power Module Weight (kg)	18.95
Shipping Dimensions (hwd / in.)	10.240 x 25.590 x 27.760
Shipping Dimensions (hwd / cm)	26.01 x 65.00 x 70.51
Shipping Weight (lbs.)	55.0000
Shipping Weight (kg)	24.95
Cooling Method	Fan
UPS Housing Material	Steel
Primary UPS Height (mm)	87
Primary UPS Width (mm)	440
Primary UPS Depth (mm)	494
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)	130
AC Mode Efficiency Rating (100% Load)	97%
Audible Noise	45 dBA Max @ 1m front side
COMMUNICATIONS	
Communications Interface	USB (HID enabled); DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface
Network Management Cards	SNMPWEBCARD; TLNETCARD; WEBCARDLX; RELAYIOCARD
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
Network UPS Tools Compatibility	NUT compatible. See the full list of Tripp Lite NUT compatible UPS systems at http://www.networkupstools.org/stable-hcl.html?manufacturer=Tripp Lite
LINE / BATTERY TRANSFER	



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www.tripplite.com

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	
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 Energy-Saving Features	Greater than 95% efficiency - GREEN UPS; Individually controllable load banks
CERTIFICATIONS	
UPS Certifications	ENERGY STAR Qualified; Meets FCC Part 15 Category A (EMI); ROHS (Restriction of Hazardous Substances); Tested to CSA (Canada); Tested to NOM (Mexico); Tested to UL1778 (USA)
UPS Certification Details	UL 1778 5th Edition; CSA C22.2 No 107.3-14; FCC 15B CLASS A
WARRANTY	
Product Warranty Period (Worldwide)	5-year limited warranty
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	\$250,000 Ultimate Lifetime Insurance

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