Model #: SMART2600RM2U

SmartPro 2U Rack/Tower Extended Run UPS - Line interactive, sine wave UPS with integrated switched PDU and current monitoring

Highlights

2600VA / 2.6kVA 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 2 USB ports, 2 serial ports, SNMP/Web card slot and EPO interface

Current monitoring and switched PDU control via 3 individually controllable load banks

Input: NEMA 5-20P (120V 20A) / Output: 1 L5-20R, 4 NEMA 5-15/20R, 4 NEMA 5-15R (120V)

2 year product warranty / $250,000 Ultimate Lifetime Insurance (USA, Puerto Rico & Canada only)

Description

2600VA line-interactive UPS for server, network and telecommunications equipment. 2U rackmount form factor. Corrects brownouts and overvoltages from 79V to 147V. Sine wave output. Maintains battery-derived AC output during blackouts and severe voltage fluctuations. Expandable runtime with optional external battery packs. 9 output receptacles. NEMA 5-20P input plug. Network-grade AC surge and noise suppression. Network management interfaces include 2 USB ports, 2 DB9 serial ports and SNMPWEBCARD slot. Supports simultaneous detailed monitoring of equipment load levels, self-test data and utility power conditions via all 5 network interfaces. Includes PowerAlert monitoring software and complete cabling. Emergency Power Off (EPO) interface. Integrated 3-bank switched PDU. 3-stage metered current monitoring and battery charge LEDs. Utility power and voltage regulation LEDs. Audible alarm. Self-test. 4-post rack mounting accessories included; 2-9USTAND and 2POSTRMKITWM accessories available. Field-replaceable, hot-swappable internal batteries and battery packs. Attractive all-black color scheme. 2-year warranty and $250,000connected equipment insurance; extended warranty and service contracts available.

Applications

Ideal for protection of sensitive electronics in any application calling for upright tower or 19 inch rackmount UPS protection. Common applications include any mix of servers, workstations, hubs, routers, concentrators, IP telephony and traditional PBX switching systems.

Package Includes

SMART2600RM2U UPS System, PowerAlert Software and cabling, Mounting hardware, Warranty information, Instruction manual

Features

2600VA/2100 watt output power capacity compatible with North American 120V/60Hz power

2U rack/tower UPS installs in standard 19 inch rack enclosures with an installed depth of only 19 inches

Protects sensitive networking equipment from blackouts, voltage fluctuations and transient surges

Line interactive Automatic Voltage Regulation (AVR) corrects inputs from 79-147VAC back to usable 120V levels without consuming battery power

Dual boost AVR circuits boost undervoltages by 14% or 24% depending on the severity and reduces overvoltages by 12%

Network interfaces support simultaneous communications via 2 USB, 2 DB9 serial and SNMPWEBCARD slot

Included PowerAlert UPS monitoring software supports safe unattended shutdown, monitoring and control via local connected servers, plus any number of additional servers over IP

Communications ports support on-battery, low-battery, power-restored, AC-voltage, DC-voltage, output current monitoring, battery charge current, battery capacity, internal UPS temperature, AC line frequency, timed inverter shutoff, activate self-test and load bank output power control

Built in Emergency Power Off (EPO) interface with cable

Sine wave output in AC and battery modes

Expandable runtime with optional battery packs – BP48V24-2U (limit 1) and BP48V60RT-3U (multi-pack compatible)

Half load runtime of 18 minutes

Full load runtime of 6 minutes

Includes 9 output receptacles (4 NEMA 5-15R/4 NEMA 5-15/20R/1 NEMA L5-20R)

Ships with NEMA 5-20P input plug

Integrated 3 bank switched PDU enables remote outlet management for load shedding or remote reboot of individual devices

3 stage metered LEDs offer current monitoring and battery charge level

Mains power and voltage regulation LEDs offer at-a-glance power status information

Front panel switches support self-test and alarm cancel functions

Included UPSRMRII adjustable mounting rails support installation in 19 inch racks with a front-to-rear depth of 23.5 and 36.5 inches (add a 2nd UPSRMRII accessory to extend the reach to 35.25 to 49.5 inches)

UPS ships fully assembled in full compliance with DOT regulations, no time consuming connection of internal batteries by user required

Supports 2 post rackmount installation with optional 2POSTRMKIT accessory

Supports upright tower placement with optional 2-9USTAND accessory

UL (USA), cUL (Canada), NOM (Mexico), FCC Class A (Emissions) listed

2 year manufacturer's product warranty, $250,000 Ultimate Lifetime Insurance

Specifications

SYSTEM OVERVIEW	
Voltage compatibility	120 VAC
Frequency compatibility	60 Hz

OUTPUT	
Output VA	2600
Output watts	2100
Output nominal voltage	120V AC
Output voltage regulation	LINE MODE: Sine wave line voltage 120V (-18% / +8%), BATTERY MODE: Sine wave output 120V +/-5%
Output frequency regulation	LINE MODE: Passes line frequency of 60Hz +/-10% BATTERY MODE: Inverter output regulated to 60Hz +/-0.5Hz
Outlet quantity / type	4 NEMA 5-15R, 4 NEMA 5-15/20R and 1 NEMA L5-20R
Customized load management receptacles	3 individually controllable outlets support load shedding and remote reboot on demand of locked network devices. Controllable via PowerAlert software to switch off optional loads, like monitors, to increase available runtime for servers and other critical devices.
Overload protection	Resettable circuit breaker

INPUT	
Maximum input amps	24A
Input connection type	NEMA 5-20P
Input cord length	10 ft., 10 gauge
Recommended electrical service	30A 120V

BATTERY	
Full load runtime	4 minutes (2600VA)
Half load runtime	11 minutes (1300VA)
Expandable battery runtime	Supports extended runtime with optional external battery packs BP48V242U (limit 1) and BP48V60RT3U (multi-pack compatible)

DC system voltage	48 VDC
Typical battery lifespan	3-6 years, depending on usage
Battery recharge rate	2-4 hours to 90%

VOLTAGE REGULATION

Voltage regulation description	Automatic Voltage Regulation (AVR) circuits maintain clean, regulated computer-grade 120V nominal output, without using battery power, during brownouts to 79V and overvoltages to 147V
Overvoltage correction	Input voltages between 128 and 147VAC are reduced by 12%
Direct pass through	Input voltages between 105 and 127VAC are passed on to connected equipment unchanged
Brownout correction	Input voltages between 95 and 104VAC are boosted by 12%
Severe brownout correction	Input voltages between 79 and 94VAC are boosted by 24%

LEDS ALARMS & SWITCHES

Front panel LEDs	5 front panel LEDs - Green POWER LED, Green VOLTAGE CORRECTION LED, 3 color BATTERY CHARGE LED, 3 color OUTPUT LOAD LED, red BATTERY WARNING LED
Alarms	3 function audible alarm indicates power failure conditions (4 short beeps every 10 seconds), overload (continuous short beeps) and low battery (continuous tone)
Switches	Yes, includes 2 front panel mounted push-button switches for system enable, self-test and alarm cancel functions

SURGE / NOISE SUPPRESSION

AC surge suppression	480 joules
AC suppression response time	Instantaneous
EMI / RFI AC noise suppression	Yes

PHYSICAL

Shipping weight (lbs)	72
Shipping weight (kg)	32.7
Shipping Dimensions (HWD/in)	9 x 23.5 x 20
Shipping Dimensions (HWD/cm)	22.9 x 59.7 x 50.8
Unit weight (lbs)	64
Unit weight (kg)	29.1
Unit Dimensions (HWD/in)	3.5 x 17.5 x 19
Unit Dimensions (HWD/cm)	8.89 x 44.5 x 48.3
Material of construction	Steel
Form factors supported	Rack (2U)
Cooling method	Built-in cooling fan
Battery Access	Battery access door allows hot swap battery replacement without powering connected equipment off

ENVIRONMENTAL

Operating Temperature	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
Storage Temperature	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius

Relative Humidity	0 to 95%, non-condensing
Line mode BTU/hr. (Max.)	285.4 BTU/hr.

COMMUNICATIONS

Network monitoring port	Includes 4 built-in monitoring ports, 2-USB & 2-DB9. Each supports on battery, low battery, power restored, AC line voltage, DC battery voltage, load percentage, battery charge current, battery capacity, internal UPS temperature and line frequency status
Software and cabling included	Includes PowerAlert UPS monitoring software for all common network and standalone operating systems. Ships with 4 cables, 2-USB & 2-DB9
SNMP compatibility	Built-in accessory slot accommodates internal SNMP / Web card and other network accessories
WatchDog compatibility	Yes, compatible with Tripp Lite's WatchDog system service software to restore operation to locked equipment through soft reboot of applications / OS or hard power off/on reboot of connected equipment - ideal for unattended kiosk applications

LINE / BATTERY TRANSFER

Transfer time from line power to battery mode	2-4 milliseconds
Low voltage transfer to battery power	79V (resets to line power as voltage increases to 83V)
High voltage transfer to battery power	147V (resets to line power as voltage decreases to 144V)

CERTIFICATIONS

Certifications	Tested to UL1778 (USA), cUL (Canada), Class A (emissions), NOM (Mexico)

WARRANTY

Product warranty	2 year product warranty
Connected equipment insurance (USA and Canada Only	$250,000 connected equipment insurance (USA / Canada only)
Optional coverage	3 year, 5 year, next day and on-site warranty coverage available for select opportunities - contact Tripp Lite

SPECIAL FEATURES

EPO port	Includes RJ11 EPO (emergency power off) port and interconnection cable
TVSS grounding	Includes back panel grounding point with thumbscrew for data line surge suppressors and other network accessories requiring a safe grounding point
Cold Start	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
Appearance	Attractive all-black color scheme

BATTERY PACK ACCESSORY (optional)

Battery Pack Accessory (optional)	BP48V24-2U (limit 1) and BP48V60RT3U (multi-pack compatible)

More information, including related products, owner's manuals, and additional technical specifications, can be found online at
www.tripplite.com/products/model.cfm?txtModelID=3024.