SmartPro 120V 1.5kVA 1.35kW Line-Interactive Sine Wave UPS, SNMP, Webcard pre-installed, 2U Rack/Tower, USB, DB9 Serial

MODEL NUMBER: **SMART1500RM2UN2**

Highlights

- 1500VA / 1.5kVA line interactive 2U rack/tower UPS, Sine wave output
- 120V output, Corrects brownouts and overvoltages from 83V to 147V
- USB, RS232, EPO and slot for included SNMPWEBCARD
- Front panel status LEDs with load level and battery capacity display
- 2 independently switchable output load banks, 13.5 in / 34.3 cm depth
- NEMA 5-15P input; 8 NEMA 5-15R outlets

Applications

- Distributed Server Rooms
- Network Closets
- Small Business Networks
- Voice over IP (VoIP) Phone Systems

Package Includes

- SMART1500RM2UN2 UPS System
- UPSHDEARKIT mounting kit
- SNMPWEBCARD accessory
- PowerAlert software
- USB, serial and EPO cabling

Description

1500VA / 1.5kVA / 1000 watt line interactive UPS system for server, network and telecommunications equipment. 2U rackmount or tower form factor with an installed depth of only 13.5 inches. Uninterruptible Power Supply (UPS) switches to battery-derived AC output during power failures and extreme voltage variations. Line interactive Automatic Voltage Regulation (AVR) offers voltage boost during brownouts and voltage cut during overvoltages to maintain regulated 120v output over an input range of 83-147V. Includes NEMA 5-15P input plug and NEMA 5-15R output receptacles. Network-grade AC surge and noise suppression. Network management interfaces support simultaneous communications via USB, RS232 serial port and slot for included SNMPWEBCARD. HID-compliant USB enables full integration with built-in power management and auto shutdown features of Windows and Mac OS X. Supports simultaneous detailed monitoring of equipment load levels, self-test data and utility power conditions via all 3 network interfaces. Includes PowerAlert monitoring software and complete cabling. Emergency Power Off (EPO) interface. Integrated 3-bank PDU switching supports load shedding and remote-reboot of connected equipment. 3-stage metered current monitoring and battery charge status LEDs. Utility power and voltage regulation LEDs. Audible alarm. Self-test. Rackmount accessories included. Field-replaceable, hot-swappable internal batteries. Attractive all-black color scheme.

Features

- SmartPro 1500VA / 1.5kVA / 1000 watt line interactive UPS system is ideal for voice, data, medical and industrial networking applications
- Line interactive Automatic Voltage Regulation (AVR) offers voltage boost during brownouts and voltage cut during overvoltages
- Maintains continuous operation through blackouts, voltage fluctuations and surges
- Corrects line voltage conditions as low as 83V and as high as 147 back to 120V nominal values
- Offers 19 minutes at half load (500w) and 7 minutes at full load (1000w)
- Compact rackmount form factor installs using only 2 rack spaces (2U) with a maximum installed depth of only 13.5 inches
- Ships with all mounting accessories for 4 post rackmount installation; included UPSHDEARKIT supports 2u installation from front vertical rails in 2 or 4 post racks and enclosures

- Network interfaces support simultaneous communications via built-in USB, DB9 serial and slot for included SNMPWEBCARD
- 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 supports safe unattended shutdown, monitoring and control via local connected servers, with the built-in ability to shutdown any number of additional servers over IP
- Built-in Emergency Power Off (EPO) interface with cable
- NEMA 5-15P input plug / NEMA 5-15R output receptacles
- Integrated 2 bank switched PDU enables remote outlet management for load shedding or remote reboot of individual load banks (2 outlets per load bank)
- Front panel LEDs offer current monitoring and battery charge level information

Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	1500
Output kVA Capacity (kVA)	1.5
Output Watt Capacity (Watts)	1000
Output kW Capacity (kW)	1
Power Factor	0.7
Nominal Output Voltage(s) Supported	120V
Frequency Compatibility	60 Hz
Output Voltage Regulation (Line Mode)	-21%, +8%
Output Voltage Regulation (Battery Mode)	+/- 5%
Output Receptacles	(8) 5-15R
Load Management Receptacles	Two switchable two-outlet 5-15R load banks
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave
INPUT	
Rated input current (Maximum Load)	10.4A
Nominal Input Voltage(s) Supported	120V AC
UPS Input Connection Type	5-15P
Input Circuit Breakers	15A
UPS Input Cord Length (ft.)	10
UPS Input Cord Length (m)	3
Recommended Electrical Service	15A 120V
Input Phase	Single-Phase

BATTERY

Full Load Runtime (min.)	7 min. (1000w)
Half Load Runtime (min.)	19 min. (500w)
DC System Voltage (VDC)	36
Battery Recharge Rate (Included Batteries)	Less than 4.5 hours from 10% to 90%
Internal UPS Replacement Battery Cartridge	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 83 to 147
Overvoltage Correction	Input voltages between 128 and 147 are reduced by 12%
Undervoltage Correction	Input voltages between 83 and 107 are boosted by 14%

USER INTERFACE, ALERTS & CONTROLS

Switches	2 Switches control off/on power status and alarm-cancel/self-test operation
Alarm Cancel Operation	Power-fail alarm can be silenced using alarm-cancel switch; once silenced, alarm will re-sound to indicate low-battery status
Audible Alarm	Audible alarm indicates power-failure, overload and low-battery conditions
LED Indicators	5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status

SURGE / NOISE SUPPRESSION

UPS AC Suppression Joule Rating	570
UPS AC Suppression Response Time	Instantaneous
EMI / RFI AC Noise Suppression	Yes

PHYSICAL

Installation Form Factors Supported with Included Accessories	2 post 19 inch rackmount; 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 (hwd, in.)	3.5 x 17.5 x 13.5
UPS Power Module Dimensions (hwd, cm)	8.9 x 44.4 x 34.3

Rack Height (U Spaces)	2
UPS Power Module Weight (lbs.)	46
UPS Power Module Weight (kg)	20.9
UPS Shipping Dimensions (hwd / in.)	9 x 24 x 20.2
UPS Shipping Dimensions (hwd / 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)	105.2
Battery Mode BTU / Hr. (Full Load)	600
AC Mode Efficiency Rating (100% Load)	97%

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)	83
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 Energy-Saving 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)
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