Model #: SMART750RM1U

SmartPro .75kVA Line Interactive Sine Wave UPS, SNMPWEBCARD option, 1U Rackmount, USB, Serial, EPO, 120V

Highlights

- 750VA line interactive 1U rackmount UPS
- Maintains sine-wave 120V nominal output over an input range of 83 to 147V
- Network communications supported via USB port, serial port, SNMP/Web card slot and EPO interface
- Current monitoring and switched PDU control via 2 single-outlet load banks
- Input: NEMA 5-15P (120V 15A) / Output: 6 NEMA 5-15R (120V)
- 2 year product warranty / $250,000 Ultimate Lifetime Insurance (USA, Puerto Rico & Canada only)

Description

750VA line interactive UPS for server, network and telecommunications equipment/1U rackmount form factor/Corrects brownouts and overvoltages from 83 to 147/Sine wave output in both AC and battery mode/Uninterruptible Power Supply (UPS) maintains battery derived AC output during blackouts and severe voltage fluctuations/NEMA 5-15P input plug/Network-grade AC surge and noise suppression/Network management interfaces includes USB port, DB9 serial port and SNMPWEBCARD slot/Supports simultaneous detailed monitoring of equipment load levels, self-test data and mains power conditions via all 3 network interfaces at once/Includes PowerAlert monitoring software and complete cabling/Emergency Power Off (EPO) interface/Integrated 2 bank switched PDU/3 stage metered current monitoring and battery charge LEDs/Mains power and voltage regulation LEDs/Audible alarm/Self-test/Supports 2 or 4 post rackmount installation/Field replaceable, hot swappable internal batteries/Attractive all-black UPS design/Two year warranty with $250,000 connected equipment insurance/Extended warranty and service contracts available

Package Includes

- SMART750RM1U UPS System
- Mounting hardware
- Cabling for USB & DB9 monitoring and EPO switching
- PowerAlert unattended shutdown and UPS/Power monitoring software
- Warranty information and instruction manual

Features

- 750VA/450 watt output power capacity compatible with North American 120V/60Hz power
- 1U rackmount UPS installs in standard 2 or 4 post 19 inch racks with a depth of only 16.75 inches
- Protects sensitive networking equipment from blackouts, voltage fluctuations and transient surges
- Line interactive Automatic Voltage Regulation (AVR) corrects inputs from 83-147VAC back to usable 120V levels without consuming battery power
- AVR circuits boost undervoltages by 14% depending on the severity and reduces overvoltages by 12%
- Network interfaces support simultaneous communications via USB, 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
- Half load runtime of 24 minutes (375VA/225 watts)/Full load runtime of 7 minutes (750VA/450 watts)
- Includes 6 NEMA 5-15R output receptacles arranged in 2 switchable single-outlet load banks
- Integrated 2 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
- UPS ships fully assembled in full compliance with DOT regulations, no time consuming connection of internal batteries by user required
- UL (USA), cUL (Canada), NOM (Mexico), FCC Class A (Emissions) listed
- 2 year manufacturer's product warranty, $250,000 Ultimate Lifetime Insurance

Specifications

OUTPUT	
Output Volt Amp Capacity (VA)	750
Output Watt Capacity (watts)	450
Output power factor	0.6
Nominal Output Voltage(s) Supported	120V
Frequency compatibility	60 Hz
Output voltage regulation (line mode)	-21%, +8%
Output voltage regulation (Battery mode)	+/- 5%
Built-in UPS output receptacles	6 5-15R outlet(s)
Built-in controllable switched load banks	Two switchable single-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)	7A
Nominal Input Voltage(s) Supported	120V AC
UPS input connection type	5-15P

Input circuit breaker	15A
UPS Input cord length (ft.)	10 ft., 14 gauge
Recommended Electrical Service	15A 120V
Input cord length (ft.)	10
Input cord length (m)	3

BATTERY

Full load runtime (minutes)	7 min. (450w)
Half load runtime (minutes)	24 min. (225w)
DC system voltage (VDC)	24
Battery recharge rate (included batteries)	Less than 4 hours from 10% to 90%
Replacement battery cartridge (internal UPS battery replacement)	RBC64-1U
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%

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 joules
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 kit included); 2 post 19 inch rackmount (mounting kit included)
Primary form factor	Rackmount

UPS / Power Module dimensions in primary form factor (height x width x depth / inches)	1.7 x 17.5 x 16.8
UPS / Power Module dimensions in primary form factor (height x width x depth / cm)	4.4 x 44.4 x 42.5
Installed whole system total rack space height (rack spaces)	1U
UPS / Power Module weight (lbs)	30
UPS / Power Module weight (kg)	13.6
UPS Shipping dimensions (height x width x depth / inches)	6.2 x 23.5 x 22.5
UPS Shipping dimensions (height x width x depth / cm)	15.9 x 59.7 x 57.2
Shipping weight (lbs)	34
Shipping weight (kg)	15.4
UPS housing material	Steel
Cooling method	Fan
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)	97.7
Battery mode BTU / hr. (full load)	335.9
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 & high efficiency features	Individually controllable load banks

CERTIFICATIONS

UPS Certifications	Tested to UL1778 (USA); Tested to CSA (Canada); Tested to NOM (Mexico); Meets FCC Part 15 Category A (EMI)

WARRANTY

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

Related Items

Optional Products

Product Type	Related Model	Description	Qty.
Surge Protectors	DTEL2	Network Surge Suppressor - Essential protection for data and communication lines	-
Surge Protectors	DNET1	Network Surge Suppressor - Essential protection for data and communication lines	-
Extended Warranties	WEXT3-500-1500	3-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less	-
Extended Warranties	WEXT5-500-1500	5-Year Extended Warranty - For Smart Line-Interactive and Online Tower or Rack models, 1500VA or less	-
Power Distribution	PDU1215	Basic PDU / Power Distribution Unit - Safe, reliable power distribution for critical networking equipment	-
Power Distribution	PS7224	Tripp Lite Power Strip - Multiple outlets wherever you need them	-
SNMP Accessories	SNMPWEBCARD	For remote monitoring and control via SNMP, Web, or Telnet.	-
SNMP Accessories	ENVIROSENSE	Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.)	-
USB Hubs/Accessories	U022-010	10-ft. USB2.0 A/B Gold Device Cable (A Male to B Male)	-
Software	WATCHDOGSW	WatchDog Service Monitoring / Reboot Software	-
Audio Cables	CT120	Instant-Read- AC Outlet Circuit Tester	-

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=3053.