

SmartPro 120V 750VA 600W Line-Interactive Sine Wave UPS, 1U Rack/Vertical, Network Management Card Options, USB, DB9 Serial

MODEL NUMBER: **SMART750RM1U**



Description

The SMART750RM1U 750VA/600W line-interactive sine wave UPS system offers complete power protection for critical network applications in a highly efficient 1U total rack/vertical configuration. Simultaneous-use network management interfaces include USB, RS-232 and slot for optional Network Management Card options. Line-interactive voltage regulation, network-grade surge suppression and long-lasting sine wave AC output during blackouts make this UPS ideal for advanced networking applications in data centers, computer rooms and network closets.

Features

- SMART750RM1U .75kVA / 750VA / 600 watt line interactive UPS
- 1U rack/vertical compatible form factor
- Included mounting brackets support 2 and 4-post rack-mount installation; Optional 4POSTRAILKIT1U is available for additional support
- NEMA 5-15P input; 6 5-15R output receptacles
- Installed depth of only 16.75 in. / 42.5cm
- Sine wave output in both AC and battery backup modes
- Line Interactive UPS provides Automatic Voltage Regulation / AVR to maintain 120V nominal output during brownouts to 83V and overvoltages to 147V without using battery power
- Full load efficiency rating of 98% saves energy and ensures cool operating temperatures
- Integrated 2 bank switched PDU enables remote outlet management for load shedding or remote reboot of individual devices
- USB & Serial ports enable data-saving unattended shutdown when used with PowerAlert software, available via FREE download from tripplite.eaton.com/products/power-alert
- HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and macOS
- Compatible with UPS management card options TLNETCARD, WEBCARDLX and SNMPWEBCARD
- 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

Highlights

- .75kVA / 750VA / 600W line interactive 1U rack/vertical UPS, Sine wave output
- 120V output, Corrects brownouts and overvoltages from 83V to 147V
- 0.8 Power Factor, Front panel status LEDs
- Mounting brackets support 2 and 4 post installation
- 98% line-mode efficiency, 2 switched load banks
- USB, RS232, EPO and slot for Network Management Card options
- 120V NEMA 5-15P input, 6 NEMA 5-15R outlets
- To use the Auto Probe feature, this product requires a WEBCARDLX network interface (sold separately) running LX firmware update 15.5.2 or later

Package Includes

- SMART750RM1U UPS System
- Mounting hardware
- USB, DB9 and EPO Cabling
- Instruction manual

- Field replaceable, hot-swappable internal UPS batteries

Specifications

| OVERVIEW | |
|--|---|
| UPC Code | 037332118813 |
| UPS Type | Line-Interactive |
| INPUT | |
| Input Phase | Single-Phase |
| Rated input current (Maximum Load) | 7A |
| Nominal Input Voltage(s) Supported | 120V AC |
| UPS Input Connection Type | 5-15P |
| Input Circuit Breakers | 15A |
| Recommended Electrical Service | 15A 120V |
| Input Cord Length (ft.) | 10 |
| Input Cord Length (m) | 3.05 |
| OUTPUT | |
| Output Capacity (VA) | 750 |
| Output Capacity (kVA) | 0.75 |
| Output Capacity (Watts) | 600 |
| Output Capacity (kW) | 0.6 |
| Power Factor | 0.8 |
| Nominal Voltage Details | 120v nominal output in battery mode |
| Frequency Compatibility | 60 Hz |
| Output Voltage Regulation (Line Mode) | -21%, +8% |
| Output Voltage Regulation (Battery Mode) | +/- 5% |
| Load Management Receptacles | Two switchable single-outlet 5-15R load banks |
| Output AC Waveform (AC Mode) | Sine wave |
| Output AC Waveform (Battery Mode) | Pure Sine wave |
| Nominal Output Voltage(s) Supported | 110V; 115V; 120V |
| Output Receptacles | (6) 5-15R |
| Individually Controllable Load Banks | Yes |

| BATTERY | |
|---|--|
| Battery Type | Valve Regulated Lead Acid (VRLA) |
| Runtime Full Load (min.) | 4.9 min. (600W) |
| Runtime Half Load (min.) | 13.2 min. (300W) |
| Expandable Runtime | No |
| DC System Voltage (VDC) | 24 |
| Battery Recharge Rate (Included Batteries) | Less than 4 hours from 10% to 90% (typical, full load discharge) |
| Battery Access | Front panel battery access door |
| Internal UPS Replacement Battery Cartridge | RBC64-1U |
| 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 | 450 |
| UPS AC Suppression Response Time | Instantaneous |
| EMI / RFI AC Noise Suppression | Yes |
| PHYSICAL | |
| Primary Form Factor | Rackmount; Vertical |
| Rack Height | 1U |
| Cooling Method | Fan |
| Included Mounting Accessory Description | Included mounting brackets provide front-rail installation in 2 or 4 post racks; For additional stability in 4 post racks, consider optional 4 post mounting accessories 4POSTRAILKIT1U & 4POSTRAILKITWM |
| Installation Form Factors Supported with Included Accessories | 2 post 19 inch rackmount; 2 post front mount; 4 post 19 inch rackmount |

| | |
|---|--|
| Installation Form Factors Supported with Optional Accessories | 4 post rackmount full-depth (4POSTRAILKIT1U); 4 post rackmount short-depth (4POSTRAILKITWM); Vertical Mount Enclosures (SRWF5U36); SRWF5U ; SRWF10UMOD ; |
| Minimum Required Rack Depth (cm) | 50.80 |
| Minimum Required Rack Depth (inches) | 20 |
| Optional Mounting Accessory Notes | Optional 4POSTRAILKITWM ; enables installation in 4-port short-depth racks from 14.5 to 23.5 inches (368 to 597mm); Optional 4POSTRAILKIT1U ; enables installation in 4-post full-depth racks from 20.5 to 36 inches (521 to 914mm) |
| Primary UPS Depth (mm) | 425 |
| Primary UPS Height (mm) | 44 |
| Primary UPS Width (mm) | 445 |
| Shipping Dimensions (hwd / in.) | 5.20 x 23.10 x 20.70 |
| Shipping Dimensions (hwd / cm) | 13.21 x 58.67 x 52.58 |
| Shipping Weight (lbs.) | 34.10 |
| Shipping Weight (kg) | 15.47 |
| UPS Housing Material | Steel |
| UPS Power Module Dimensions (hwd, cm) | 4.44 x 44.45 x 42.54 |
| UPS Power Module Dimensions (hwd, in.) | 1.75 x 17.5 x 16.75 |
| UPS Power Module Weight (kg) | 13.61 |
| UPS Power Module Weight (lbs.) | 30 |
| Unit Weight (lbs.) | 30.0000 |
| Unit Weight (kg) | 13.61 |
| ENVIRONMENTAL | |
| Operating Temperature Range | 32° to 104°F (0° to 40°C) |
| Storage Temperature Range | 5° to 122°F (-15° to 50°C) |
| Relative Humidity | 0 to 95%, non-condensing |
| AC Mode BTU / Hr. (Full Load) | 38 |
| AC Mode Efficiency Rating (100% Load) | 98% |
| Battery Mode Heat Dissipation (BTU/Hr) @ Full Load | 545 |
| Audible Noise | 45 dBA maximum, front side 1m |

| COMMUNICATIONS | |
|---|--|
| Network Management Cards | TLNETCARD WEBCARDLXE |
| Network Monitoring Port Description | Supports detailed monitoring of UPS and site power conditions |
| PowerAlert Software | For local monitoring via the UPS's built-in communication ports, download PowerAlert software at https://tripplite.eaton.com/products/power-alert |
| Communications Cable | USB and DB9 cabling included |
| WatchDog Compatibility | Supports Watchdog application, OS and hard-reboot restart options for remote applications |
| Network Management Card Description | Network management card optional |
| Communications Interface | DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface; USB |
| LINE / BATTERY TRANSFER | |
| Transfer Time | 5 milliseconds AC to DC; 1 millisecond DC to AC |
| Low Voltage Transfer to Battery Power (Setpoint) | 83 |
| High Voltage Transfer to Battery Power (Setpoint) | 147 |
| FEATURES & SPECIFICATIONS | |
| Cold Start (Startup in Battery Mode During a Power Failure) | Cold-start operation supported |
| High Availability UPS Features | Auto Probe Monitoring and Reboot (requires WEBCARDLX); Automatic Voltage Regulation (AVR); Hot swappable batteries; Remote management; Surge/noise protection |
| Grounding Details | Back panel grounding lug |
| APPLICATIONS | |
| UPS Applications | Large Network; High-End Desktop/Small Network; Retail/Point of Sale; Hospitality |
| STANDARDS & COMPLIANCE | |
| Product Certifications | CSA (Canada); NOM (Mexico); UL 1778 |
| Product Compliance | RoHS; FCC Part 15 Class A (USA) |
| WARRANTY & SUPPORT | |
| 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 |



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