

SmartPro 120V 3kVA 2.88kW Line-Interactive Sine Wave UPS, Hot-Swap, 2U, Extended Run, Network Card Options, USB, DB9

MODEL NUMBER: **SMART3000RMOD2U**



Description

3000VA / 3kVA 120V modular line interactive 2U rack / tower UPS for networks offers complete network-grade power protection with full support for hot-replacement of separate internal battery and electronics modules. High .96 power factor supports loads up to 2880 watts. High efficiency rating of 95% reduces electrical operating cost and BTU emissions. Offers selectable 110/120/127V 50/60Hz operation. Maintains battery derived sine wave AC output during power failures. Line-interactive dual-boost, single cut automatic voltage regulation (AVR) provides regulated 110/120/127V nominal output during brownouts and overvoltages. Includes NEMA L5-30P input plug and 7 UPS-supported output receptacles (6 x 5-15R, 1 x L5-30R). Includes two individually controllable load banks, for advanced remote-reboot and load-shedding applications. Network-grade AC surge and noise suppression. Network management interfaces support simultaneous communications via USB, DB9 serial and slot for Network Management Card option. HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X. Supports detailed monitoring of equipment load levels, self-test data and utility power conditions via all three network interfaces at once. Advanced LED indicators offer 5-stage metering of UPS load and battery charge levels, plus single-LED status indicators for utility power, voltage regulation, on-battery, overload, replace battery and site wiring fault conditions. Audible alarms provide notification of on-battery, low-battery and overload conditions. PowerAlert UPS monitoring software is available for free download. Internal batteries offer runtime of 11 minutes half load (1440 watts) and 4 minutes at full load (2880 watts). Runtime is expandable with optional BP72V15-2U (limit 1), BP72V28RT-3U (limit 4) and BP72V18-2US (limit 2) external battery packs. Supports installation in 4 post racks with included accessories. 2 post rackmount, wallmount and tower stand accessories sold separate.

Features

- 3000VA / 3kVA 120V modular line interactive 2U rack / tower UPS for networks

Highlights

- 3kVA / 3000VA / 2880W line interactive 2U rack/tower UPS, Sine Wave
- 100/120/127V output, Corrects brownouts and overvoltages 90 to 146V
- 0.96 Power Factor, Front panel status LEDs
- Hot-swappable internal UPS power module
- Extended runtime options up to 2880W
- 4 post compatible mounting
- 95% line-mode efficiency, 2 switched load banks
- USB, RS232, EPO and slot for Network Management Card options
- 120V NEMA L5-30P input, 6 NEMA 5-15/20R & 1 L5-30R outlets
- This product is ENERGY STAR qualified for its ability to save customers money while helping to protect the environment

Package Includes

- UPS chassis pre-loaded with hot-swappable UPS electronics module and internal battery module
- USB, DB9 and EPO cabling
- 4 post rackmount installation accessories
- Owner's manual

- Hot-swappable power module and internal battery packs enables full UPS maintenance with zero-downtime
- High power factor of .96 offers support for loads to 2880 watts
- High efficiency line power operation of 95% reduces UPS electrical operating cost and BTU emissions
- Supports selectable 110, 120 and 127V nominal voltage operation at 50/60 Hz
- Sine wave AC output in AC and battery modes
- Line-interactive UPS with Automatic Voltage Regulation (AVR)
- L5-30P input plug connects to 120V 30A utility receptacle
- Includes 7 UPS supported outlets (6 5-15R and 1 L5-30R)
- L5-30R outlet is ideal for the connection of a 120V 30A PDU to distribute the full UPS capacity to rack equipment
- 5-15R outlets are arranged in two separately breakered, individually controllable loading banks to support remote reboot or automated load shedding of less critical items (bank 1 has 2 outlets, bank 2 has 4 outlets).
- Network-grade 800 joule AC surge suppression
- Compatible with Tripp Lite UPS management card options WEBCARDLX, SNMPWEBCARD and RELAYIOCARD
- USB, DB9 serial and card-slot accessory are all available for simultaneous use in advanced network configurations
- HID compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X
- USB & Serial ports enable data-saving unattended shutdown when used with Tripp Lite's PowerAlert software, available via FREE download from tripplite.eaton.com/products/power-alert
- Advanced LED indicators offer 5-stage metering of UPS load and battery charge levels, plus single-LED status indicators for utility power, voltage regulation, on-battery, overload, replace battery and site wiring fault conditions.
- Audible alarms provide notification of on-battery, low-battery and overload conditions.
- Internal batteries offer runtime of 11 minutes half load (1440 watts) and 4 minutes at full load (2880 watts).
- Runtime is expandable with optional BP72V15-2U (limit 1), BP72V28RT-3U (limit 4) and BP72V18-2US (limit 2) external battery packs
- Some external battery configurations require the use of Tripp Lite's External Battery Configuration Software (see manual)
- Intelligent battery management system extends battery life
- Supports 4 post rackmount installation with included accessories; add 2POSTRMKITWM for 2 post and wallmount applications; add 2-9USTAND accessory for upright tower support
- This product is ENERGY STAR qualified for its ability to save customers money while helping to protect the environment

Specifications

| OVERVIEW | |
|-------------|------------------|
| UPC Code | 037332140234 |
| UPS Type | Line-Interactive |
| INPUT | |
| Input Phase | Single-Phase |

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| Rated input current (Maximum Load) | 24A |
| Nominal Input Voltage(s) Supported | 110V AC; 120V AC; 127V AC |
| UPS Input Connection Type | L5-30P |
| UPS Input Cord Length (ft.) | 10 |
| UPS Input Cord Length (m) | 3.1 |
| Recommended Electrical Service | 30A 120V |
| Input Cord Length (ft.) | 10 |
| Input Cord Length (m) | 3.05 |
| OUTPUT | |
| Output Capacity (VA) | 3000 |
| Output Capacity (kVA) | 3 |
| Output Capacity (Watts) | 2880 |
| Output Capacity (kW) | 2.88 |
| Output Capacity Details | 2400W max capacity with external battery packs connected |
| Power Factor | 0.96 |
| Nominal Voltage Details | 120V default |
| Frequency Compatibility | 50 / 60 Hz |
| Frequency Compatibility Details | Automatic frequency selection |
| Output Voltage Regulation (Line Mode) | 120V: -7% +9%, 110V: -8% + 11%, 127V: -9% +9% |
| Output Voltage Regulation (Battery Mode) | +/-5% |
| Load Management Receptacles | Two switchable load banks - bank one consists of 2 5-15R outlets, bank 2 consists of 4 5-15R outlets |
| Output Circuit Breakers | 15A (x2) - breaker 1 covers 2 5-15R outlets, breaker 2 covers 4 5-15R outlets, L5-30R outlet is unbreakered |
| Output AC Waveform (AC Mode) | Pure Sine wave |
| Output AC Waveform (Battery Mode) | Pure Sine wave |
| Nominal Output Voltage(s) Supported | 110V; 120V; 127V |
| Output Receptacles | (6) 5-15R; (1) L5-30R |
| Individually Controllable Load Banks | Yes |
| BATTERY | |
| Runtime Full Load (min.) | 4 min. (2880w) |
| Runtime Half Load (min.) | 11 min. (1440w) |
| Expandable Runtime | Yes |

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| External Battery Pack Compatibility | BP72V15-2U (limit 1); BP72V28RT-3U (multi-pack compatible); BP72V18-2US (multi-pack compatible) |
| DC System Voltage (VDC) | 72 |
| Battery Recharge Rate (Included Batteries) | Less than 4 hours to 90% (typical, full load discharge) |
| Battery Access | Front panel battery access door |
| Internal UPS Replacement Battery Cartridge | RBC96-RMOD2U |
| Battery Replacement Description | Hot-swappable, replaceable batteries |
| VOLTAGE REGULATION | |
| Voltage Regulation Description | Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 90 to 146 |
| Overvoltage Correction | Input voltages between 132 and 146 are reduced by 12% |
| Undervoltage Correction | Input voltages between 101 and 110 are boosted by 15% |
| Severe Undervoltage Correction | Input voltages between 90 and 100 are boosted by 30% |
| 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 by pressing the on/test/mute switch |
| Audible Alarm | Audible alarm indicates on battery, low battery and overload warnings |
| LED Indicators | 14 LEDs indicate line power, power fail, avr, fault, overload, replace battery and site wiring fault conditions; includes 5 LED load and battery charge meter |
| Site Wiring Fault Indication | Includes site wiring fault LED |
| SURGE / NOISE SUPPRESSION | |
| UPS AC Suppression Joule Rating | 800 |
| EMI / RFI AC Noise Suppression | Yes |
| AC Suppression Joule Rating | 800 |
| AC Suppression Response Time | Instantaneous |
| PHYSICAL | |
| Primary Form Factor | Rackmount |
| Rack Height | 2U |
| Cooling Method | Fan |
| Included Mounting Accessory Description | 4 post rackmount installation accessories included |

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| Installation Form Factors Supported with Optional Accessories | 2 post rackmount (2-Post-Rack-Mount-Wall-Mount-Adapter-Kit-select-Rack-Mount-UPS-Systems~2POSTRMKITWM); Wallmount (2-Post-Rack-Mount-Wall-Mount-Adapter-Kit-select-Rack-Mount-UPS-Systems~2POSTRMKITWM); Tower (2-9USTAND) |
| Minimum Required Rack Depth (cm) | 88.90 |
| Minimum Required Rack Depth (inches) | 35 |
| Primary UPS Depth (mm) | 610 |
| Primary UPS Height (mm) | 89 |
| Primary UPS Width (mm) | 445 |
| Shipping Dimensions (hwd / in.) | 9.20 x 23.60 x 39.00 |
| Shipping Dimensions (hwd / cm) | 23.37 x 59.94 x 99.06 |
| Shipping Weight (lbs.) | 111.90 |
| Shipping Weight (kg) | 50.76 |
| UPS Housing Material | Steel |
| UPS Power Module Dimensions (hwd, cm) | 8.89 x 44.45 x 60.96 |
| UPS Power Module Dimensions (hwd, in.) | 3.5 x 17.5 x 24 |
| UPS Power Module Weight (kg) | 39.46 |
| UPS Power Module Weight (lbs.) | 87 |
| 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) | 518 |
| Battery Mode BTU / Hr. (Full Load) | 1601 |
| AC Mode Efficiency Rating (100% Load) | 95% |
| COMMUNICATIONS | |
| Network Management Cards | SNMPWEBCARD; WEBCARDLX ; RELAYIOCARD |
| 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, DB9 and EPO cabling included |
| Communications Interface | DB9 Serial; EPO (emergency power off); Slot for SNMP/Web interface; USB (HID enabled) |

| LINE / BATTERY TRANSFER | |
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| Transfer Time | 10 ms (line to battery) / 4 ms (battery to line) |
| Low Voltage Transfer to Battery Power (Setpoint) | 90 |
| High Voltage Transfer to Battery Power (Setpoint) | 146 |
| FEATURES & SPECIFICATIONS | |
| Cold Start (Startup in Battery Mode During a Power Failure) | Cold-start operation supported |
| High Availability UPS Features | Hot swappable batteries; Hot swappable UPS power module |
| WARRANTY & SUPPORT | |
| Product Warranty Period (Worldwide) | 2-year limited warranty |
| Connected Equipment Insurance (U.S., Canada & Puerto Rico) | \$250,000 & Ultimate Lifetime Insurance |