

SmartOnline 5000VA 4500W 208V Online Double-Conversion UPS - 2 L6-20R and 2 L6-30R Outlets, L6-30P Input, Network Card Included, Extended Run, 3U Rack/Tower

MODEL NUMBER: SU5000RT



Provides sine wave output, complete battery backup and power protection for mission-critical IT installations, edge networks and other advanced network applications.

Features

5kVA/4.5kW/208V Battery Backup for IT Installations and Edge Networks

This SmartOnline® rack-mount online double-conversion UPS system provides uninterrupted battery backup and AC power protection against blackouts, brownouts, surges and line noise that can damage valuable IT equipment or destroy data. The SU5000RT is reliable power management for education, commercial, financial or healthcare networking components, including Cisco switches and servers.

Expandable Internal Battery Backup Keeps You Operational Through Power Outages

The field-replaceable, hot-swappable valve regulated lead acid (VRLA) battery modules allow you to work through short power failures and give you enough time to safely save files and shut down your system in case of a prolonged blackout. Automatic restart after power outages reduces costly on-site visits. You can also connect up to four extended battery modules (BP180RT, sold separately) for hours of extended runtime.

Pre-Installed Network Interface Offers 24/7 Remote Access

The WEBCARDLXE network interface turns the SU5000RT into a managed device on your network. It enables full remote configuration and SNMP-based UPS management, including load shedding, safe shutdowns and automated alerts. The IP-based Auto Probe feature ensures continuous network uptime by communicating with other network devices, detecting lost connectivity and automatically rebooting IT equipment without an on-site visit. Optional EnviroSense2 modules (E2MT, E2MTDO and E2MTHDI, all sold separately) provide a variety of environmental monitoring and control options.

NEMA Outlets Protect Your Connected Components

Two L6-20R and two L6-30R managed outlets provide connected equipment with pure sine wave AC output and allow you to manage power consumption down to the outlet group level. Power provided by these outlets is filtered to protect connected equipment against damaging surges and line noise. The SU5000RT also supports hardwired output.

Intuitive LCD Interface Keeps You Informed at a Glance

The menu-driven LCD provides control settings and critical information to help diagnose any issues, including alarm and fault notifications. The interface rotates to accommodate both rack-mount and tower configurations, and it tilts up to 45 degrees for more comfortable viewing.

Highlights

- Protects equipment against blackouts, brownouts, transient surges and line noise
- Keeps equipment running during outages to allow time for file saves and safe shutdown
- Pre-installed WEBCARDLXE network card enables full remote access and control
- Menu-driven LCD interface keeps you updated on critical load information in real time
- Optional extended battery modules allow extended runtime to keep equipment powered

Package Includes

- 5000VA 4500W 208V Double-Conversion UPS
- WEBCARDLXE network card
- USB cable
- RS-232 cable
- Tower support stands
- Cable gland for hardwire connection
- Rack-mounting hardware (9RK)
- Quick start guide



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Advanced Communications Ports Allow for Automatic Saves and Shutdowns

RS-232 and USB ports connect to a serial-enabled device for a variety of communication options (cables are included). A dry-contact relay port can be programmed through the LCD to provide reliable communications to automation and industrial components. The RPO/ROO connectors permit emergency shutdown or remote restart of all connected equipment.

Versatile Installation Options

You can mount the SU5000RT in just 3U of space in an EIA-standard 19-inch rack using the included 4-post rail kit or an optional 2-post rail kit (RK2PC, sold separately). You can also adapt it for tower installation using the included support stands. The 10-foot power cord with NEMA L6-30P plug connects to a compatible AC outlet. A cable gland is included for alternate hardwire input.

Specifications

| OVERVIEW | |
|------------------------------------|--|
| UPC Code | 786689811723 |
| UPS Type | On-Line |
| INPUT | |
| Input Phase | Single-Phase |
| Rated input current (Maximum Load) | 23.3A |
| Nominal Input Voltage(s) Supported | 200V AC; 208V AC; 220V AC; 230V AC; 240V AC |
| Nominal Input Voltage Description | Factory configured to 208V |
| UPS Input Connection Type | Hardwire; L6-30P |
| Input Circuit Breakers | 20A |
| UPS Input Cord Length (ft.) | 10 |
| UPS Input Cord Length (m) | 3.1 |
| Recommended Electrical Service | 30A |
| Input Plug Type | NEMA L6-30P |
| Total Harmonic Distortion | < 2% THDV on linear load; < 5% THDV on non-linear load |
| Input Cord Length (ft.) | 10 |
| Input Cord Length (m) | 3.05 |
| OUTPUT | |
| Output Capacity (VA) | 5000 |
| Output Capacity (kVA) | 5 |
| Output Capacity (Watts) | 4500 |
| Output Capacity (kW) | 4.5 |
| Power Factor | 0.9 |
| Crest Factor | 3:1 |
| Nominal Voltage Details | 200V, 208V, 220V, 230V, 240V |



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| Frequency Compatibility | 50 / 60 Hz |
| Frequency Compatibility Details | 50 or 60Hz, autosensing or configurable as a frequency converter |
| Output Voltage Regulation (Line Mode) | +/- 1% |
| Output Voltage Regulation (Battery Mode) | +/- 1% |
| Output Circuit Breakers | 20A breaker protects L6-20R outlets |
| Output AC Waveform (AC Mode) | Pure Sine wave |
| Output AC Waveform (Battery Mode) | Pure Sine wave |
| Nominal Output Voltage(s) Supported | 200V; 208V; 220V; 230V; 240V; 250V |
| Output Receptacles | (2) L6-20R; (2) L6-30R; Hardwire |
| Individually Controllable Load Banks | No |
| BATTERY | |
| Battery Type | Valve Regulated Lead Acid (VRLA) |
| Runtime Full Load (min.) | 3 min. (4500W) |
| Runtime Half Load (min.) | 11 min. (2250W) |
| Expandable Runtime | Yes |
| Expandable Runtime Description | Add up to 4 extended battery modules (EBM). Part number BP180RT |
| External Battery Pack Compatibility | BP180RT |
| DC System Voltage (VDC) | 180 |
| Battery Access | Battery access door |
| Internal UPS Replacement Battery Cartridge | 744-A1974 |
| Battery Replacement Description | Hot-swappable, user replaceable batteries. UPS requires 1 Replacement Battery Cartridge. |
| VOLTAGE REGULATION | |
| Voltage Regulation Description | Online, double-conversion power conditioning |
| USER INTERFACE, ALERTS & CONTROLS | |
| Front Panel LCD Display | LCD graphical display |
| Switches | RPO / ROO |
| Alarm Cancel Operation | Press ESC to silence the alarm |
| Audible Alarm | Audible alarm indicates utility failure, low-battery, overload, other UPS/Battery fault or remote shutdown conditions |
| LED Indicators | 4 status-indicating LEDs |
| SURGE / NOISE SUPPRESSION | |



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| UPS AC Suppression Response Time | 0 ms |
| EMI / RFI AC Noise Suppression | Yes |
| PHYSICAL | |
| Primary Form Factor | Rackmount; Tower |
| Rack Height | 3U |
| Cooling Method | Fan |
| Included Mounting Accessory Description | Includes 4 post rackmount and tower pedestal accessories |
| Installation Form Factors Supported with Included Accessories | 4 post 19 inch rackmount; Tower |
| Installation Form Factors Supported with Optional Accessories | 2 post rackmount (RK2PC) |
| Minimum Required Rack Depth (cm) | 78.74 |
| Minimum Required Rack Depth (inches) | 31 |
| Minimum Required Rack Depth with External Battery Pack (cm) | 79 |
| Minimum Required Rack Depth with External Battery Pack (in.) | 31 |
| Shipping Dimensions (hwd / in.) | 12.25 x 38.00 x 28.50 |
| Shipping Weight (lbs.) | 125.20 |
| UPS Housing Material | Metal |
| UPS Power Module Weight (kg) | 48.08 |
| UPS Power Module Weight (lbs.) | 106 |
| Unit Dimensions (hwd / in.) | 5.100 x 17.300 x 27.030 |
| Unit Weight (lbs.) | 106.000 |
| Unit Weight (kg) | 48.08 |
| ENVIRONMENTAL | |
| Operating Temperature Range | 32° to 104°F (0° to 40°C) |
| Relative Humidity | 0-95% non-condensing |
| AC Mode Efficiency Rating (100% Load) | 93 |
| AC Economy Mode Efficiency Rating (100% Load) | 98 |
| Online Mode Heat Dissipation (BTU/Hr) @ Full Load | 1150 |
| Battery Mode Heat Dissipation (BTU/Hr) @ Full Load | 1560 |
| Operating Elevation | 0-3280 ft. (0-1000 m) |
| Audible Noise | <45 dB at 1 meter |



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| COMMUNICATIONS | |
|---|---|
| Network Management Cards | (1) WEBCARDLXE |
| Network Monitoring Port Description | WEBCARDLXE Supports detailed monitoring of UPS and site power conditions; DB9 port supports RS232 and contact closure communications; not compatible with WEBCARDLX |
| 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 serial cables included |
| Network Management Card Description | Network management card included |
| Communications Interface | (1) Contact closure; (1) Included network card; (1) RS-232; (1) USB |
| Emergency Power Off (EPO)/Remote On-Off (ROO) | Yes |
| LINE / BATTERY TRANSFER | |
| Transfer Time | No transfer time (0 ms.) in online, double-conversion mode |
| Low Voltage Transfer to Battery Power (Setpoint) | 176V |
| High Voltage Transfer to Battery Power (Setpoint) | 276V |
| FEATURES & SPECIFICATIONS | |
| Cold Start (Startup in Battery Mode During a Power Failure) | Cold-start operation supported |
| High Availability UPS Features | Automatic Voltage Regulation (AVR); Expandable battery backup; Hot swappable batteries; On-Line/Double-Conversion; Pure sine wave output; Remote management; Surge/noise protection; Zero transfer time |
| Green Energy-Saving Features | High efficiency economy mode operation |
| APPLICATIONS | |
| UPS Applications | Mission Critical Applications |
| STANDARDS & COMPLIANCE | |
| Product Certifications | EN 62040-2; NOM (Mexico); cUL Listed |
| Product Compliance | FCC Part 15 Class A (USA); CE (Europe); FCC (USA); ENERGY STAR Qualified; RoHS |
| WARRANTY & SUPPORT | |
| Product Warranty Period (U.S. & Canada) | 2-year limited warranty |
| Connected Equipment Insurance (U.S., Canada & Puerto Rico) | \$250,000 Ultimate Lifetime Insurance |
| Extended Service Plans | 5-year depot exchange plan: TL9SW5Y-6000UC Expedited parts coverage for 5 yearsParts, electronics, and UPS battery coverageNext business day shippingTechnical support 5-year onsite plan: TLWFLN75XX-6009UC Onsite parts and labor coverage for 5 yearsParts, electronics, and UPS battery coverage24x7 onsite labor coverage, next-day responseNext-day shippingTechnical support Startup 24x7: TLSU05NXXX-6009UC Assembly 24x7: TLAS00NXXX-6009UC Onsite preventative maintenance 24x7: TL0005NXXX-6009UC |



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