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Model #: SU10K3/1X

SmartOnline 3-Phase UPS System - 3-Phase on-line, double-conversion protection for mission critical applications



Highlights

- 10,000 VA (10kVA) extended run tower UPS
- 3-phase hardwire input (220/380, 230/400, 240/415 VAC)
- Single-phase hardwire output (user-selectable 220 or 230 or 240V AC)
- Zero transfer time, on-line, double-conversion operation
- 3 communication ports, SNMP card slot and EPO jack
- 2 year product warranty

Description

Tripp Lite's SU10K3/1X SmartOnline 3-Phase Intelligent, True On-Line UPS System provides mission-critical equipment with the highest level of power protection available. Large capacity 10,000 VA/8,000 watt power module continually converts incoming AC power into filtered DC power, and then resynthesizes it back into AC power with a pure sine wave. Perfectly regulated, continuous sine wave output with zero transfer time offers compatibility with all equipment types. SmartOnline models provide some of the highest levels of isolation from THD (total harmonic distortion)

Applications

Ideal for protecting critical 220 or 230 or 240V equipment in server rooms, internetworking closets and telecommunications systems.

Package Includes

- SU10K3/1X UPS System (power module and battery module)
- PowerAlert Software and cabling
- Warranty information
- Instruction manual

Features

- True on-line, double conversion UPS provides pure, sine wave AC output at all times
- Maintains continuous operation through blackouts, voltage fluctuations and surges with zero transfer time
- Removes harmonic distortion, electrical impulses, frequency variations and other hard-to-solve power problems
- 10,000VA/8,000 watt power capacity with hardwire input/output connections
- 220/380 or 230/400 or 240/415V AC input and regulating output within 2% of user-selectable 220 or 230 or 240V AC output (single-phase, 2-wire)
- Standard included battery module provides 10 minutes runtime at half load (5,000VA) and 4 minutes runtime at full load (10,000VA)
- 3:1 crest factor safely supports a variety of equipment, even those with wildly-fluctuating power demands
- Extremely efficient operation (up to 97% efficient in Economy Mode) saves money by lowering electricity consumption
- Expandable runtime with multiple external battery modules (model # BP240V10RT-3U)
- 3 communication ports (RS-232, contact closure and AS-400)
- Slot for optional SNMP card (model # SNMPWEBCARD)
- Manual bypass switch as well as an automatic bypass function ensures 100% availability of connected equipment by safely passing through AC power when the power module requires maintenance

Battery Start Switch allows cold restart of UPS during a prolonged blackout to utilize its batteries for periodic system access or data retrieval

PowerAlert Universal UPS Power Management Software and 6 ft. communication cable included

[2-year power module and 1-year batteries limited repair or replacement warranty](#)

Combination LCD/LED display

Built-in Emergency Power Off (EPO) interface supports remote emergency shutdown in large facilities

Specifications

SYSTEM OVERVIEW	
Voltage compatibility	220/380, 230/400 or 240/415V AC, single-phase, 2-wire
Frequency compatibility	50/60 Hz (auto-selectable)
OUTPUT	
Output VA	10,000 (10kVA)
Output watts	8000
Output nominal voltage	220, 230 or 240V AC, single-phase, 2-wire
Output voltage regulation	Maintains pure sine wave output at all times, regulated within 2% of selected nominal output voltage, less than 3% total harmonic distortion
Output frequency regulation	Regulates line frequency at 50 or 60 Hz, +/- 3 Hz
Outlet quantity / type	Hardwire
INPUT	
Maximum input amps	15A
Input connection type	Hardwire
Recommended electrical service	220 or 230 or 240V AC (Y, 3-Phase, 4 Wire)
BATTERY	
Full load runtime	Included batteries: 4 min. (10,000VA)
Half load runtime	Included batteries: 10 min. (5,000VA)
Expandable battery runtime	Supports extended runtime with optional external battery modules (model # BP240V10RT-3U)
DC system voltage	240V DC
Typical battery lifespan	3 - 6 years, depending on usage
Battery recharge rate	2 - 4 hours to 90%
VOLTAGE REGULATION	
Voltage regulation description	On-line, double-conversion process gives this UPS the ability to maintain output voltage within +/-2% of selected nominal voltage at all times
Overvoltage correction	Maintains continuous operation without using battery power during overvoltages to 485V AC (Y, 3-Phase, 4 Wire), reducing output within 2% of selected nominal
Brownout correction	Maintains continuous operation without using battery power during brownout / undervoltage conditions to 270V AC (Y, 3-Phase, 4 Wire)
LEDS ALARMS & SWITCHES	
Front panel LEDs	6 LED DISPLAY: AC input, AC-DC charger, DC-AC inverter, AC output, bypass operation and battery operation. SELECTABLE LCD DISPLAY: indicates a wide range of UPS operational and fault/warning conditions including operational mode, alarm/shutdown conditions, input/output voltage/frequency, battery voltage, load percentage and more.
Alarms	Alarms warn against a variety of operational conditions: low battery, overload, shutdown, bypass and more

Switches	Rocker switch turns the UPS's inverter ON and OFF. "Select" Button browses through and selects items displayed on the LCD screen. "Battery Start" Switch cold starts the inverter. "Manual Bypass" switch bypasses the UPS's inverter during maintenance.
SURGE / NOISE SUPPRESSION	
AC suppression response time	Instantaneous
EMI / RFI AC noise suppression	Yes
PHYSICAL	
Shipping weight (lbs)	317 (total of Power Module - 190 - and Battery Module - 127)
Shipping weight (kg)	144 (total of Power Module - 86 - and Battery Module - 58)
Unit weight (lbs)	199 (total of Power Module - 102 - and Battery Module - 97)
Unit weight (kg)	90 (total of Power Module - 46 - and Battery Module - 44)
Unit Dimensions (HWD/in)	Power Module (22.2 x 11 x 24.8), Battery Module (17.5 x 5.25 x 22.5)
Unit Dimensions (HWD/cm)	Power Module (56.5 x 28 x 63), Battery Module (44.5 x 13.3 x 57.2)
Material of construction	Steel
Form factors supported	Tower
Cooling method	Built-in cooling fan
Battery Access	External Battery Module can be hot-swapped with a replacement Battery Module
ENVIRONMENTAL	
Operating Temperature	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
Storage Temperature	-36 to +104 degrees Fahrenheit / -20 to +40 degrees Celsius
Relative Humidity	5 to 95%, non-condensing
COMMUNICATIONS	
Network monitoring port	Includes 3 built-in communications ports (RS-232, contact closure and AS-400)
Software and cabling included	Includes PowerAlert UPS monitoring software for all common network and standalone operating systems. Cabling included.
SNMP compatibility	Built-in accessory slot accommodates internal SNMP card (model # SNMPWEBCARD) and other network accessories
LINE / BATTERY TRANSFER	
Transfer time from line power to battery mode	Zero transfer time. True on-line UPS continuously converts incoming AC to DC, then back to AC. When line power is interrupted, UPS maintains continuous output from battery reserves with absolutely no disruption in output AC power.
Low voltage transfer to battery power	Maintains continuous operation during undervoltages as low as 270V AC (Y, 3-Phase, 4 Wire). Below this point, output is maintained utilizing battery reserves.
High voltage transfer to battery power	Maintains continuous operation during overvoltages as high as 485V AC (Y, 3-Phase, 4 Wire). Above this point, output is maintained utilizing battery reserves.
CERTIFICATIONS	
Certifications	CE, GOST, SASO
WARRANTY	
Product warranty	2-year power module and 1-year batteries limited repair or replacement warranty
Optional coverage	Extended warranties as well as on-site service contracts available for select opportunities. Contact Tripp Lite.

SPECIAL FEATURES	
EPO port	Includes dedicated EPO (emergency power off) interface and cabling
Cold Start	Yes, inverter can be cold-started (with use of Battery Start Switch) to enable temporary AC output during a power failure
Appearance	Attractive black steel tower housing
BATTERY PACK ACCESSORY (optional)	
Battery Pack Accessory (optional)	BP240V10RT-3U (optional)

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/products/model.cfm?txtModelID=2815.