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)

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

OUTPUT	
Output Volt Amp Capacity (VA)	10000
Output kVA capacity (kVA)	10
Output Watt Capacity (watts)	8000
Output kW capacity	8
Output power factor	0.8
Crest Factor	3:1
Nominal Output Voltage(s) Supported	220V; 230V; 240V
Nominal Voltage details	Voltage selection via front panel LCD interface
Frequency compatibility	50 / 60 Hz
Output voltage regulation (line mode)	+/- 2%
Output voltage regulation (Battery mode)	+/- 2%
Built-in UPS output receptacles	Hardwire
Output AC waveform (AC mode)	Sine wave
Output AC waveform (battery mode)	Pure Sine wave
INPUT	
Rated input current (at maximum load)	50A
Nominal Input Voltage(s) Supported	220/380 - 230/400 - 240/415V AC 3 phase wye
UPS input connection type	Hardwire
UPS input connection description	220 or 230 or 240V (Y, 3-Phase, 4 Wire)
BATTERY	
Full load runtime (minutes)	4 min. (8000w)
Half load runtime (minutes)	10 min. (4000w)

Expandable battery runtime	Supports extended runtime with optional external battery packs
External battery pack compatibility	BP240V10RT3U; BP240V557C-1PH; BP240V787C-1PH; BP240V1037C-1PH; BP240V1407C-1PH
DC system voltage (VDC)	240
Battery recharge rate (included batteries)	2 - 4 hours from 10% to 90%
Battery replacement description	Hot-swappable, user replaceable batteries

VOLTAGE REGULATION

Voltage regulation description	Online, double-conversion power conditioning
Overvoltage correction	Maintains continuous operation without using battery power during overvoltages to 485 (Y, 3-Phase, 4 Wire), reducing output within 2% of selected nominal
Undervoltage correction	Maintains continuous operation without using battery power during brownout / undervoltage conditions to 270 (Y, 3-Phase, 4 Wire)

LEDS ALARMS & SWITCHES

LED Indicators	6 LEDs indicate line power, online mode, economy/bypass mode, on-battery, charger and AC output status; LCD screen offers additional information and control options
Alarms	Alarms warn against a variety of operational conditions: low-battery, overload, shutdown, bypass and more
Alarm cancel operation	Power-fail alarm can be silenced using alarm-cancel switch
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

UPS AC suppression response time	Instantaneous
EMI / RFI AC noise suppression	Yes
AC suppression response time	Instantaneous

PHYSICAL

Installation form factors supported with included accessories	Tower
Primary form factor	Tower
UPS / Power Module dimensions in primary form factor (height x width x depth / inches)	22.2 x 11 x 24.8
UPS / Power Module dimensions in primary form factor (height x width x depth / cm)	56.4 x 27.9 x 63

Installed whole system maximum rack depth (cm)	0
UPS / Power Module weight (lbs)	102
UPS / Power Module weight (kg)	46.3
UPS dimensions details	Includes UPS power module and external battery pack
Included battery pack dimensions (height x width x depth / inches)	17.5 x 5.2 x 22.5
Included battery pack dimensions (height x width x depth / cm)	44.4 x 13.3 x 57.2
Included battery pack weight (lbs)	97
Included battery pack weight (kg)	44
Shipping weight (lbs)	317
Shipping weight (kg)	143.9
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

COMMUNICATIONS

Communications interface	DB9 Serial; Contact closure; Slot for SNMP/Web interface
Network monitoring port description	RS232, contact closure and AS400 monitoring ports are supported by 3 separate DB9 ports
PowerAlert software	Included
Communications cable	DB9 cabling included

LINE / BATTERY TRANSFER

Transfer time	No transfer time (0 ms.) in online, double-conversion mode
Low voltage transfer to battery power (setpoint)	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 (setpoint)	Maintains continuous operation during overvoltages as high as 485V AC (Y, 3-Phase, 4 Wire). Above this point, output is maintained utilizing battery reserves.

SPECIAL FEATURES

Cold Start (startup in battery mode during a power failure)	Cold-start operation supported
High availability UPS features	Automatic inverter bypass; Hot swappable batteries
Green & high efficiency features	High efficiency economy mode operation; Schedulable daily hours of economy mode operation
WARRANTY	
Product Warranty Period (U.S., Canada & Puerto Rico)	2-year limited warranty

Related Items

Optional Products

Product Type	Related Model	Description	Qty.
External Battery Packs	BP240V10RT3U	External Battery Pack and Cable. 3U, Expandable, Black 3-Point Connector	-
Shutdown Cable Kits	AS400CABLE KIT	Power Management Tools - UPS Communication Cable Kit for System i / AS400 / iSeries Servers	-
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.)	-
External Battery Packs	BP240V557C-1PH	External battery pack for use with select Tripp Lite UPS Systems	-
External Battery Packs	BP240V787C-1PH	External battery pack for use with select Tripp Lite UPS Systems	-
External Battery Packs	BP240V1037C-1PH	External battery pack for use with select Tripp Lite UPS Systems	-
External Battery Packs	BP240V1407C-1PH	External battery pack for use with select Tripp Lite UPS Systems	-

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=2815.