

SmartOnline 3-Phase UPS Systems

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



Model #: SU30K3/3

- ▶ 30,000 VA (30kVA) tower UPS
- ▶ 3-phase hardwire input (96 - 144V AC / 166 - 250V AC)
- ▶ 3-phase hardwire output (user-selectable 110/120/127 and 190/208/240V AC)
- ▶ Zero transfer time, on-line, double-conversion operation
- ▶ Expandable runtime with additional external battery modules
- ▶ 3 communication ports, SNMP/Web card slot and EPO jack ; \$250,000 Ultimate Lifetime Insurance (US and Canada only)

Enterprise Assistance

E-mail us your critical extended run application requirements for large kVA and extended run UPS Systems and we will research the ideal solution and provide a custom configuration.

[Contact a Tripp Lite Product Specialist](#)

DESCRIPTION

Tripp Lite's SU30K3/3 SmartOnline 3-Phase Intelligent, True On-Line UPS System provides mission-critical equipment with the highest level of power protection available. Large capacity 30,000 VA / 24,000 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)—<3%—allowing equipment to perform at its peak. A 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. Hardwire input and output connections support a variety of permanent or PDU style power connections. SU30K3/3 features 96 - 144 / 166 - 250V AC (Y, 3-phase, 4-wire) input and user-selectable 110/120/127 and 190/208/240V AC (Y, 3-phase, 4-wire) output. Frequency is 50 or 60 Hz (auto-selectable). SU30K3/3 includes a power module and an external battery module, both in tower format cabinets. Battery support can be extended with additional external battery modules. A manual bypass switch as well as an automatic bypass function ensure 100% availability of connected equipment by safely passing through AC power when the power module requires maintenance. Three built-in communication ports (RS-232, contact closure and AS-400) work with included PowerAlert Software to simultaneously provide shutdown commands and reporting on multiple servers without the need for costly accessories. An accessory slot accepts an optional internal SNMP/Web card (model # SNMPWEBCARD) for remote shutdowns, reboots and more. A Battery Start Switch allows cold restart of UPS during a prolonged blackout to utilize its batteries for periodic system access or data retrieval. An Emergency Power Off button turns UPS output OFF and disables Bypass output. Built-in Emergency Power Off (EPO) interface supports remote emergency shutdown in large facilities. Front panel combination LCD/LED display alerts users to a variety of UPS operational modes and conditions.

KEY BUYING POINTS

- 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
- 30,000VA / 24,000 watt power capacity with hardwire input / output connections
- Accepts input voltages between 96 - 144/166 - 250V AC (Y, 3-phase, 4-wire), regulating output within 2% of user-selectable 110/120/127 and 190/208/240V AC output (Y, 3-phase, 4-wire)
- Standard included battery module provides 27 minutes runtime at half load (12,000 watts) and 9 minutes runtime at full load (24,000 watts)
- 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 # BP240V33)
- 3 communication ports (RS-232, contact closure and AS-400)
- Slot for optional SNMP/Web 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
- Emergency Power Off button turns UPS output OFF and disables Bypass output
- PowerAlert Universal UPS Power Management Software and 6 ft. communication cable included
- 2-year manufacturer's limited product warranty
- Combination LCD/LED display
- Built-in Emergency Power Off (EPO) interface supports remote emergency shutdown in large facilities
- \$250,000 Ultimate Lifetime Insurance (US and Canada only)

TYPICAL APPLICATIONS

- Ideal for protecting critical 110/120/127 and 190/208/240V equipment in server rooms, internetworking closets and telecommunications systems.

OPTIONS & ACCESSORIES

- SNMP accessories: [SNMPWEBCARD](#), [ENVIROSENSE](#)
- External battery pack: [BP240V33](#)

SYSTEM REQUIREMENTS

- SU30K3/3 UPS System (power module and battery module)
- PowerAlert Software and cabling
- Warranty information
- Instruction manual

COMPLETE SPECIFICATIONS

SYSTEM OVERVIEW	
System overview:	Online, double conversion tower UPS system continuously maintains near-perfect output power for critical networking and telecommunications equipment. Completely regenerates input power into perfectly regulated sine wave output free of harmonic distortion, fast electrical impulses and frequency fluctuations. A 3:1 crest factor safely supports a variety of equipment. Extremely efficient operation (up to 97% efficient in Economy Mode) saves money by lowering electricity consumption. Hardwire input and output connections. 96-144 / 166-250V AC (Y, 3-phase, 4-wire) input and user-selectable 110/120/127 and 190/208/240V AC (Y, 3-phase, 4-wire) output. Includes a power module, an external battery module, manual bypass switch (for 100% availability during maintenance), three communication ports (RS-232, contact closure and AS-400), PowerAlert Software and cabling, SNMP/Web card slot, a Battery Start Switch (for cold restarts), an Emergency Power Off button, an EPO port and combination LCD/LED display.
Voltage compatibility:	110/120/127 and 190/208/240V AC (96-144 / 166-250V AC, Y, 3-Phase, 4 Wire) input voltage
Frequency compatibility:	50/60 Hz (auto-selectable)
OUTPUT	
Output volt amp capacity (VA):	30000
Output watt capacity (watts):	24000
Output nominal voltage:	110/120/127 and 190/208/240V AC (user-selectable), Y, 3-phase, 4-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:	90A
Input connection type:	Hardwire
Recommended electrical service:	110/120/127 and 190/208/240V AC (Y, 3-Phase, 4 Wire)
BATTERY	
Full load runtime:	Included batteries: 9 min. (24,000 watts). Runtime can be extended with additional BP240V33 battery modules.
Half load runtime:	Included batteries: 27 min. (12,000 watts). Runtime can be extended with additional BP240V33 battery modules.
Expandable battery runtime:	Supports extended runtime with optional external battery modules (model # BP240V33)
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 144 / 250V 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 96 / 166V AC (Y, 3-Phase, 4 Wire)
LEDS ALARMS & SWITCHES	
Front panel LEDs:	7 LED DISPLAY: AC input, bypass 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:	"ON" button turns UPS's inverter ON. "OFF" button turns UPS's inverter OFF. "Select" Button browses through items displayed on LCD screen. "Enter" button selects items displayed on LCD screen. "Select" and "Enter" buttons used simultaneously mute UPS alarms. "Battery Start" Switch cold starts the inverter. "Emergency Power Off" button turns UPS output OFF and disables Bypass output. "Manual Bypass" switch bypasses the UPS's inverter during maintenance.
SURGE / NOISE SUPPRESSION	
AC surge suppression:	Conforms to IEEE 587 / ANSI C62.1 specifications
AC suppression response time:	Instantaneous
EMI / RFI AC noise suppression:	Yes
PHYSICAL	
Shipping weight (lbs):	939 (total of Power Module - 328 - and Battery Module - 611)
Shipping weight (kg):	427 (total of Power Module - 149 - and Battery Module - 278)
Unit weight (lbs):	813 (total of Power Module - 238 - and Battery Module - 575)
Unit weight (kg):	370 (total of Power Module - 108 - and Battery Module - 262)
Unit Dimensions (HWD/in):	Power Module (34 x 15 x 26), Battery Module (20 x 18 x 36)
Unit Dimensions (HWD/cm):	Power Module (87 x 38 x 66), Battery Module (51 x 45 x 91)

Shipping Dimensions (HWD/in):	Power Module (44 x 21 x 32), Battery Module (23 x 24 x 40)
Shipping Dimensions (HWD/cm):	Power Module (112 x 54 x 82), Battery Module (57 x 61 x 100)
Material of construction:	Steel
Form factors supported:	Upright tower format
Cooling method:	Built-in cooling fans
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 / Web 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 96/166V 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 144/250V AC (Y, 3-Phase, 4 Wire). Above this point, output is maintained utilizing battery reserves.
CERTIFICATIONS	
Certifications:	UL, cUL, NOM, FCC Class A
WARRANTY	
Optional coverage:	3-year and 5-year extended warranties as well as on-site service contracts available for select opportunities. Contact Tripp Lite.
Product warranty:	2-year product warranty
Connected equipment insurance (USA and Canada Only):	\$250,000
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):	BP240V33 (optional)

*The policy of Tripp Lite is one of continuous improvement.
Specifications are subject to change without notice.
Therefore, your product may vary slightly from what is currently listed.*



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