

## SmartOnline 30kVA On-Line Double-Conversion UPS, 3 Phase input / output for international

MODEL NUMBER: **SU30K3/3INT**



### Description

Tripp Lite's SU30K3/3INT 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. SU30K3/3INT features 50 or 60 Hz (auto-selectable) frequency. SU30K3/3INT 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 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.

### Features

- True on-line, double conversion UPS provides pure, sine wave AC output at all times
- Simplifies runtime scalability: convenient front-panel battery access for expandable runtime with additional internal battery packs

### Highlights

- 30,000 VA (30kVA) tower UPS with internal modular battery system
- User-selectable 3-phase 220/380 or 230/400 or 240/415V AC input and output. Wide input voltage correction range (156-280V AC/270-485V AC)
- IGBT technology and zero transfer time, on-line, double-conversion operation
- Saves valuable space with single small-footprint module
- Expandable runtime with additional internal battery modules
- 3 communication ports, SNMP card slot and EPO jack

### Package Includes

- SU30K3/3INT UPS System (power and battery components in one compact modular housing)
- PowerAlert Software and cabling
- Instructional manual with warranty information



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- Maintains continuous operation through blackouts, voltage fluctuations and surges with zero transfer time
- 30,000VA/24,000 watt power capacity with hardwire input/output connections
- User-selectable 3-phase 220/380 or 230/400 or 240/415V AC input and output. Wide input voltage correction range (156-280V AC/270-485V AC)
- Standard included battery module provides 13 minutes runtime at half load (12,000 watts) and 5 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 additional internal battery modules and optional external modular battery frames
- 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
- Emergency Power Off button turns UPS output OFF and disables Bypass output
- PowerAlert Universal UPS Power Management Software and cabling included
- 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)	30000
Output kVA Capacity (kVA)	30
Output Watt Capacity (Watts)	24000
Output kW Capacity (kW)	24
Power Factor	0.8
Crest Factor	3:1
Nominal Output Voltage(s) Supported	220/380V 3-PH Wye; 230/400V 3-PH Wye; 240/415V 3-PH Wye
Frequency Compatibility	50 / 60 Hz



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Output Voltage Regulation (Line Mode)	+/- 2%
Output Voltage Regulation (Battery Mode)	+/- 2%
Output Receptacles	Hardwire
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave
<b>INPUT</b>	
Rated input current (Maximum Load)	45A/43A/41A
Nominal Input Voltage(s) Supported	220/380V 3-PH Wye; 230/400V 3-PH Wye; 240/415V 3-PH Wye
Nominal Input Voltage Description	3-Phase Wye, 4 wire (L1, L2, L3, N, G)
UPS Input Connection Type	Hardwire
Input Phase	3-Phase
<b>BATTERY</b>	
Full Load Runtime (min.)	5 min. (24kw)
Half Load Runtime (min.)	13 min. (12kw)
Expandable Battery Runtime	Supports extended runtime with optional external battery packs
External Battery Pack Compatibility	<u>SURBC2030</u> ; <u>SUBF2030</u> (holds 4 <u>SURBC2030</u> )
Expandable Runtime Description	Includes a battery housing with space for 1 optional <u>SURBC2030</u> battery pack for extended runtime. Additional runtime capacity is available by adding <u>SUBF2030</u> and additional <u>SURBC2030</u> batteries - see runtime chart for specific recommendations
DC System Voltage (VDC)	240
Battery Recharge Rate (Included Batteries)	2 - 4 hours from 10% to 90%
Internal UPS Replacement Battery Cartridge	<u>SURBC2030</u>
Battery Access	Front panel internal battery access door
Battery Replacement Description	Hot-swappable, replaceable batteries
Expandable Runtime	No
<b>VOLTAGE REGULATION</b>	
Voltage Regulation Description	Online, double-conversion power conditioning
Overvoltage Correction	Maintains continuous operation without using battery power during overvoltages to 280 / 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 156 / 270 (Y, 3-Phase, 4 Wire)



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USER INTERFACE, ALERTS & CONTROLS	
Front Panel LCD Display	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 (see manual)
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.
Alarm Cancel Operation	Power-fail alarm can be silenced using alarm-cancel switch
Audible Alarm	Alarms warn against a variety of operational conditions: low-battery, overload, shutdown, bypass and more
LED Indicators	7 LED DISPLAY: AC input, bypass input, AC-DC charger, DC-AC inverter, AC output, bypass operation and battery operation
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 (hwd, in.)	35.3 x 19.3 x 37
UPS Power Module Dimensions (hwd, cm)	89.7 x 49 x 94
Maximum Device Depth (cm)	0
UPS Power Module Weight (lbs.)	627
UPS Power Module Weight (kg)	284.40
UPS Shipping Dimensions (hwd / in.)	43 x 28 x 44.5
UPS Shipping Dimensions (hwd / cm)	109.2 x 71.1 x 113
Shipping Weight (lbs.)	715
Shipping Weight (kg)	324.6
Cooling Method	Fans
UPS Housing Material	Steel
Primary UPS Height (mm)	897
Primary UPS Width (mm)	490



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Primary UPS Depth (mm)	940
Shipping Height (mm)	1092
Shipping Width (mm)	711
Shipping Depth (mm)	1130
<b>ENVIRONMENTAL</b>	
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
<b>COMMUNICATIONS</b>	
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
<b>LINE / BATTERY TRANSFER</b>	
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 156 / 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 280 / 485V AC (Y, 3-Phase, 4 Wire). Above this point, output is maintained utilizing battery reserves.
<b>SPECIAL FEATURES</b>	
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 Energy-Saving Features	High efficiency economy mode operation; Schedulable daily hours of economy mode operation
<b>CERTIFICATIONS</b>	
UPS Certifications	Tested to GOST (Russia); Tested to SASO (Saudi Arabia)
<b>WARRANTY</b>	
Product Warranty Period (International)	2-year limited warranty
Product Warranty Period (Mexico)	2-year limited warranty
Product Warranty Period (Puerto Rico)	2-year limited warranty



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