

Three-Phase Systems - 10KVA to 125KVA

INVERTERS



FEATURES

- AC output provides full lumen output for emergency lighting loads in commercial or industrial applications
- Compatible with any lighting load including incandescent, HID, fluorescent and LED lamps
- Painted steel enclosure and double conversion online operation
- Maintenance-free batteries with fully automatic solid state charger
- Form C contact closure points standard on all models
- 24 hour recharge time
- Temperature range: 20°C to 30°C (68°F to 86°F)
- OSHPD seismic qualification on 65 - 125KVA sizes
- UL 924 Listed

ORDERING INFORMATION



MODEL	INPUT VOLTAGE	INPUT CONDUCTOR	CAPACITY	OUTPUT VOLTAGE	OPTIONS ^{6,7}	FACTORY START-UPS (REQUIRED) ⁴
	208 ¹ 208VAC	3 3 Wire	10 10KVA/9KW	208 208VAC	A SNMP/Web Card	FST-1 Factory Start-Up 10 - 30kVA
	480 480VAC	4 ² 4 Wire	15 15KVA/13KW	480 ³ 480VAC	B SNMP/Web Card & Env. Sensor	FST-2 Factory Start-Up 40 - 80kVA
			20 20KVA/18KW		C Top Entry Cabinet	FST-3 Factory Start-Up > 80kVA
			30 30KVA/27KW		D SNMP Card & Top Entry Cabinet	
			40 40KVA/36KW		E SNMP Card, Env. Sensor & Top Entry Cabinet	
			50 50KVA/45KW			
			60 60KVA/54KW			
			65 65KVA/58KW			
			80 80KVA/72KW			
			100 100KVA/90KW			
			125 125KVA/112KW			

ACCESSORIES	
TRF-RSP-1	Remote Status Panel 10-60kVA
TRF-RSP-2	Remote Status Panel 65-125kVA
TRF-SFK-1	Seismic Mounting 10-40kVA
TRF-SFK-2	Seismic Mounting 50-60kVA

¹ Only available with 208VAC output voltage.
² Only available with 480VAC output voltage (all capacities), and with 208 VAC input voltage on 10KVA through 65KVA capacities
³ Only available with 480VAC input voltage.
⁴ Start-up must be performed by an Authorized Service Center within 6 months of shipment to maintain battery warranty.
⁵ Batteries must be connected to an energized charging circuit within 90 days from date of shipment or warranty is void.
⁶ Alternate run times and 50Hz models available on request; consult factory.
⁷ SNMP/web card: Internal SNMP Card allows inverter management across a LAN using any of the main network communication protocols. - TCP/IP, HTTP and network interface (SNMP).
 SNMP/Web Card & Env. Sensor: SNMP card with an environmental sensor module that senses temperature, humidity and smoke and displays it via SNMP.
 Top Entry Cabinet: Provides additional compartments to allow for top conduit entry.

ELECTRONICS

- Uninterruptible "no break" transfer
- Microprocessor controlled pulse width modulation (PWM) using IGBT technology
- Transient surge, LVD, short-circuit, current limiting, overload and brown-out protection
- Self-test diagnostic circuitry
- True sine wave output; optional runtime available
- Digital controls with graphic user interface with LED indicators and audible alarm system
- Load power factor range of 0.9 leading to 0.5 lagging without derating (may not exceed KVA rating)
- Internal power factor of 0.90 to yield KW rating

CABINET CONFIGURATIONS



