

ST Series pure Sine Wave Inverters

FEATURES

- True sine wave output (THD<3%)
- Power ON-OFF remote control
- Input & output fully isolation
- Load control cooling fan
- Advanced microprocessor
- Output frequency 50/60 Hz switch selectable
- Low power saving mode to conserve energy
- Built-in transfer switch and AC circuit breaker
- ROF (remote override function) or ignition lockout function option
- Speed up transfer time & synchronized operation with
- Utility AC source
- Input polarity reverse / under voltage / over voltage protections
- Output short circuit / overload / over temperature protections
- Tri color indicators display input, output level & failure status
- e-13 / CE / FCC approved



2000 WATTS

TECHNICAL SPECIFICATIONS

	Model No.	ST2000-112	ST2000-124	ST2000-148	ST2000-212	ST2000-224	ST2000-248
Output	AC Voltage	100/110/120VAC			220/230/240VAC		
	Rated Power	2000W					
	Surge Power	4000W					
	Waveform	True sine wave (THD<3%)					
	Frequency	50/60 Hz selectable by DIP switch					
	AC Regulation	±3%					
	Power Factor Allowed	COS0-90°~COS0+90°					
Input	Standard Receptacles	Hardwire					
	Led Indicator	Input voltage level, output load level and fault status					
	No Load Current Draw	2.60A	1.50A	0.70A	2.30A	1.10A	0.65A
	Stand by Current Draw	0.60A	0.30A	0.20A	0.60A	0.30A	0.15A
	DC Voltage	12VDC	24VDC	48VDC	12VDC	24VDC	48VDC
	Voltage Range	10.5~15.0VDC	21.0~30.0VDC	42.0~60.0VDC	10.5~15.0VDC	21.0~30.0VDC	42.0~60.0VDC
	Efficiency	88.0%	91.0%	92.0%	90.0%	93.0%	94.0%
	Fuse	40Ax8	20Ax8	20Ax4	40Ax8	20Ax8	20Ax4
	Circuit Breaker	35Amps			6Amps		
	Protection	Synchronous AC Transfer	Yes				
Transfer Switch		35Amps					
Transfer Time		Inverter to utility AC:8~10msec.; Utility AC to inverter:12~14msec					
Remote Control Unit		CR6/CR8 optional					
Battery Low Alarm		11VDC	22VDC	44VDC	11VDC	22VDC	44VDC
Battery Low Shutdown		10.5VDC	21.0VDC	42.0VDC	10.5VDC	21.0VDC	42.0VDC
Over Load		Shut off output voltage, re-power on to recover					
Environment	Over Voltage	15.3VDC	30.6VDC	61.2VDC	15.3VDC	30.6VDC	61.2VDC
	Over Temperature	Shut off output voltage, recovers automatically after temperature goes down					
	Output Short	Shut off output voltage, re-power on to recover					
	Bat. Polarity	By fuse open					
Safety and EMS	Working Temp.	0°C~+40°C					
	Working Humidity	20%~90% RH non-condensing					
	Storage Temp. Humidity	-30°C~+70°C / -22°F~+158°F/10~95%					
Others	Safety Standards	Meet UL458				
	Isolation Resistance	I/P~O/P: 100M Ohms/500VDC					
	EMI Conduction & Radiation	Compliance to FCC class A			Compliance to EN55022 class A		
	EMS Immunity			Compliance to EN61000-3-2,3 class A		
	LVD			Compliance to EN60950-1		
	e-Mark			Compliance to e-13*72/245/EEC, 95/54/EC		
	Dimensions	433X332X115mm (LxWxH)					
	Packing	11.2kgs:1set/13kgs/CARTON					
	Cooling	Loading controlled cooling fan					
	Application	Power tools and Portable equipments Vehicle and Yacht ... etc.					

Technical Specifications subject to change without notification

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www.samlex.com or www.samlex-solar.com