

# 1000W Pure Sine Wave Inverters ST

## 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



	MODEL No.	ST1000-112	ST1000-124	ST1000-148	ST1000-212	ST1000-224	ST1000-248
	<b>AC VOLTAGE</b>	100 / 110 / 120VAC			220 / 230 / 240 VAC		
<b>OUTPUT</b>	<b>RATED POWER</b>	1000W					
	<b>SURGE POWER</b>	2000W					
	<b>WAVEFORM</b>	True sine wave (THD < 3%)					
	<b>FREQUENCY</b>	50 / 60 Hz selectable by DIP switch					
	<b>AC REGULATION</b>	± 3%					
	<b>POWER FACTOR ALLOWED</b>	COS $\theta$ -90°~ COS $\theta$ +90°					
	<b>STANDARD RECEPTACLES</b>	HARDWIRE					
	<b>LED INDICATOR</b>	Input voltage level, output load level and fault status					
<b>INPUT</b>	<b>NO LOAD CURRENT DRAW</b>	1.43A	0.75A	0.38A	1.25A	0.65A	0.35A
	<b>STAND-BY CURRENT DRAW</b>	0.25A	0.15A	0.09A	0.25A	0.15A	0.09A
	<b>DC VOLTAGE</b>	12VDC	24VDC	48VDC	12VDC	24VDC	48VDC
	<b>VOLTAGE RANGE</b>	10.5~15.0VDC	21.0~30.0VDC	42.0~60VDC	10.5~15.0VDC	21.0~30.0VDC	42.0~60VDC
	<b>EFFICIENCY (Typ.)</b>	88.0%	91.0%	92.0%	90.0%	93.0%	94.0%
	<b>FUSE</b>	40A x4	20A x 4	20A x 2	40A x 4	20A x 4	20A x 2
	<b>CIRCUIT BREAKER</b>	12 Amps			6 Amps		
	<b>SYNCHRONOUS AC TRANSFER</b>	YES					
	<b>TRANSFER SWITCH</b>	16 Amps					
	<b>TRANSFER TIME</b>	Inverter to utility AC:8~10 msec.;Utility AC to inverter:12~14 msec					
	<b>REMOTE CONTROL UNIT</b>	CR6 / CR8 optional					
<b>PROTECTION</b>	<b>BAT. LOW ALARM</b>	11VDC	22VDC	44VDC	11VDC	22VDC	44VDC
	<b>BAT. LOW SHUTDOWN</b>	10.5VDC	21.0VDC	42.0VDC	10.5VDC	21.0VDC	42.0VDC
	<b>OVER LOAD</b>	Shut off output voltage, re-power on to recover					
	<b>OVER VOLTAGE</b>	15.3VDC	30.6VDC	61.2VDC	15.3VDC	30.6VDC	61.2VDC
	<b>OVER TEMPERATURE</b>	Shut off output voltage, recovers automatically after temperature goes down					
	<b>OUTPUT SHORT</b>	Shut off output voltage, re-power on to recover					
	<b>BAT. POLARITY</b>	By fuse open					
<b>ENVIRONMENT</b>	<b>WORKING TEMP.</b>	0 ~ +40°C					
	<b>WORKING HUMIDITY</b>	20% ~ 90% RH non-condensing					
	<b>STORAGE TEMP. HUMIDITY</b>	-30°C ~ +70°C / -22° F ~ +158° F / 10~95%					
<b>SAFETY &amp; EMC</b>	<b>SAFETY STANDARDS</b>	Meet UL458			-----		
	<b>ISOLATION RESISTANCE</b>	I/P ~ O/P: 100M Ohms / 500VDC					
	<b>EMI CONDUCTION &amp; RADIATION</b>	Compliance to FCC class A			Compliance to EN55022 class A		
	<b>EMS IMMUNITY</b>	-----			Compliance to EN61000-3 -2, 3		
	<b>LVD</b>	-----			Compliance to EN60950-1		
	<b>e-MARK</b>	-----			Compliance to e-13 * 72/245/EEC, 95/54/EC		
<b>OTHERS</b>	<b>DIMENSION</b>	373 x 236 x 115mm (L x W x H)					
	<b>PACKING</b>	6.2kgs; 2sets / 14kgs / CARTON					
	<b>COOLING</b>	Loading controlled cooling fan					
	<b>APPLICATION</b>	HomPower tools and Portable equipments, Vehicle, and Yacht ...etc.					