

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
	AC VOLTAGE	100 / 110 / 120VAC			220 / 230 / 240 VAC		
OUTPUT	RATED POWER	1000W					
	SURGE POWER	2000W					
	WAVEFORM	True sine wave (THD < 3%)					
	FREQUENCY	50 / 60 Hz selectable by DIP switch					
	AC REGULATION	± 3%					
	POWER FACTOR ALLOWED	COS θ -90°~ COS θ +90°					
	STANDARD RECEPTACLES	HARDWIRE					
	LED INDICATOR	Input voltage level, output load level and fault status					
INPUT	NO LOAD CURRENT DRAW	1.43A	0.75A	0.38A	1.25A	0.65A	0.35A
	STAND-BY CURRENT DRAW	0.25A	0.15A	0.09A	0.25A	0.15A	0.09A
	DC VOLTAGE	12VDC	24VDC	48VDC	12VDC	24VDC	48VDC
	VOLTAGE RANGE	10.5~15.0VDC	21.0~30.0VDC	42.0~60VDC	10.5~15.0VDC	21.0~30.0VDC	42.0~60VDC
	EFFICIENCY (Typ.)	88.0%	91.0%	92.0%	90.0%	93.0%	94.0%
	FUSE	40A x4	20A x 4	20A x 2	40A x 4	20A x 4	20A x 2
	CIRCUIT BREAKER	12 Amps			6 Amps		
	SYNCHRONOUS AC TRANSFER	YES					
	TRANSFER SWITCH	16 Amps					
	TRANSFER TIME	Inverter to utility AC:8~10 msec.;Utility AC to inverter:12~14 msec					
	REMOTE CONTROL UNIT	CR6 / CR8 optional					
PROTECTION	BAT. LOW ALARM	11VDC	22VDC	44VDC	11VDC	22VDC	44VDC
	BAT. 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					
	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					
ENVIRONMENT	WORKING TEMP.	0 ~ +40°C					
	WORKING HUMIDITY	20% ~ 90% RH non-condensing					
	STORAGE TEMP. HUMIDITY	-30°C ~ +70°C / -22° F ~ +158° F / 10~95%					
SAFETY & EMC	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		
	LVD	-----			Compliance to EN60950-1		
	e-MARK	-----			Compliance to e-13 * 72/245/EEC, 95/54/EC		
OTHERS	DIMENSION	373 x 236 x 115mm (L x W x H)					
	PACKING	6.2kgs; 2sets / 14kgs / CARTON					
	COOLING	Loading controlled cooling fan					
	APPLICATION	HomPower tools and Portable equipments, Vehicle, and Yacht ...etc.					