

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	
OUTPUT	AC VOLTAGE	100 / 110 / 120VAC			220 / 230 / 240 VAC			
	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	COSθ-90° ~ COSθ+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						
PROTECTION	REMOTE CONTROL UNIT	CR6 / CR8 optional						
	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						
	WORKING TEMP.	0 ~ +40°C						
	WORKING HUMIDITY	20% ~ 90% RH non-condensing						
SAFETY & EMC	STORAGE TEMP. HUMIDITY	-30°C ~ +70°C / -22° F ~ +158° F / 10~95%						
	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.						