

### 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		ST1000-112	ST1000-124	ST1000-148	ST1000-212	ST1000-224	ST1000-248
Output	AC Voltage	100 / 110 / 120 VAC			220 / 230 / 240 VAC		
	Rated Power	1000W					
	Surge Power	2000W					
	Waveform	True sine wave (THD < 3%)					
	Frequency	50 / 60 Hz					
	AC Regulation	±5%			±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 ~ 15VDC	21 ~ 30VDC	42.0 ~ 60VDC	10.5 ~ 15VDC	21 ~ 30VDC	42 ~ 60VDC
	Efficiency (Typ.)	88%	90%	92%	90%	93%	94%
	Fuse	40Ax4	20Ax4	20Ax2	40Ax4	20Ax4	20Ax2
	Circuit Breaker	30 Amps			6 Amps		
	Synchronous AC Transfer	Yes					
Transfer Switch	30 Amps			16 Amps			
Transfer Time	Inverter to utility AC : 8 ~ 10msec. ; Utility AC to inverter : 16 ~ 50 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 ~ +70°C / -22°F ~ +158°F / 10 ~ 95%					
Safety & EMC	Safety Standards	Meet UL458			----		
	Isolation Resistance	I/P - O/P : 100M Ohm / 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 (L*W*H)(mm)	373x236x115					
	Packing	6.2kg ; 2sets / 14kgs / Carton					
	Cooling	Loading control cooling fan					
	Application	Home Power tools and Portable equipments, Vehicle, Yacht ...etc.					