

### Features:

- Pure Sine Wave output (THD < 3%)
- Power ON / OFF remote control
- Input & output fully isolation
- Output frequency 50 / 60Hz selectable by DIP switch
- Power saving mode to save energy
- Ignition lockout function (option)
- Built-in transfer switch & synchronized operation with utility AC source
- Input Protection: Reverse Polarity (Fuse) / Under Voltage / Over Voltage
- Output Protection: Short Circuit / Overload / Over Temperature
- e13 / CE / FCC approved



MODEL		ST2500-112	ST2500-124	ST2500-148	ST2500-212	ST2500-224	ST2500-248
Output	AC Voltage	100 / 110 / 120VAC			220 / 230 / 240VAC		
	Rated Power	2500W					
	Surge Power	5000W					
	Waveform	Pure Sine Wave (THD < 3%)					
	Frequency	50 / 60Hz ±0.5%					
	AC Regulation	±5%			±3%		
	Power Factor Allowed	COSθ-90° ~ COSθ+90°					
	Standard Receptacles	Hardwire			Hardwire / IEC		
	LED Indicator	Input voltage level, output load level and faulty status					
Input	No Load Current Draw	2.62A	1.53A	0.72A	2.32A	1.15A	0.68A
	Stand-by Current Draw	0.60A	0.3A	0.20A	0.60A	0.30A	0.15A
	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%	91%	92%	90%	93%	94%
	Fuse	40Ax10	20Ax10	20Ax6	40Ax10	20Ax10	20Ax6
	Circuit Breaker	30Amp					
	Synchronous AC Transfer	Yes					
	Transfer Switch	30Amp			25Amp		
	Transfer Time	Inverter to utility AC: 8 ~ 10msec; Utility AC to inverter: 16 ~ 50msec					
Remote Control	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 down output voltage, restart to recover					
	Over Voltage	15.3VDC	30.6VDC	61.2VDC	15.3VDC	30.6VDC	61.2VDC
	Over Temperature	Shut down output voltage, recover automatically after temperature goes down					
	Output Short	Shut down output voltage, restart to recover					
	DC Input Reverse Polarity	By fuse					
Environment	Working Temp.	0 ~ +40°C					
	Working Humidity	20 ~ 90% RH non-condensing					
	Storage Temp. & Humidity	-30 ~ +70°C, 10 ~ 95% RH					
Safety & EMC	Safety Standards	----			Certified EN 60950-1		
	Isolation Resistance	I/P - O/P: 100M Ohms / 500VDC					
	EMI Conduction & Radiation	Certified FCC class A			Certified EN 55022; EN 61000-3-2, -3-3		
	EMS Immunity	----			Certified EN 55024; IEC 61000-4-2, 3, 4, 5, 6, 8, 11		
	e-Mark	----			Certified CISPR 25; ISO 11452-2; ISO 7637-2		
Others	Dimension (WxHxD)	332x118.7x463 mm / 13.070x4.673x18.228 inch					
	Packing	12.6kg; 1pcs / 13.6kg / 2.45CUFT					
	Cooling	Load control fan					
	Application	Home and Office appliances, Portable Power Equipment, Vehicle, Yacht and Solar power systems....etc.					