



1500W True Sine Wave DC-AC Power Inverter

S1500 series



■ Features :

- True sine wave output (THD<3%)
- Power ON-OFF switch
- Low power "Power Saving Mode" to conserve energy
- RS-232 Interface / Remote Controls Port
- Built-in Voltage & WATT Meter & LED for power status
- Thermostatically Controlled Cooling Fan
- Protections: Bat. Low alarm/Bat. Low shutdown/Over voltage/ Over temp./Output shout/Input polarity reverse/Over load.
- Topology: Microprocessor
- Approvals: UL/ e13/ CE/ FCC
- 2 years warranty



SPECIFICATION

ORDER NO.	S1500-112B2	S1500-124B2	S1500-148B2	S1500-212E3	S1500-224E3	S1500-248E3	
OUTPUT	SAFETY MODEL NO.	S1500-112	S1500-124	S1500-148	S1500-212	S1500-224	S1500-248
	AC RATED VOLTAGE	110V	110V	110V	220V	220V	220V
	AC VOLTAGE	100 / 110 / 120 selectable by DIP switch			220 / 230 / 240 selectable by DIP switch		
	RATED POWER	1500W					
	SURGE POWER	2000W					
	WAVEFORM	True sine wave (THD<3%)					
	FREQUENCY	60Hz±0.1%			50Hz±0.1%		
	AC REGULATION	-10~+4%			-10~+4%		
	RECEPTACLES	TYPE-2* 2ea			TYPE-3* 1ea		
	POWER SAVING RECOVERY	5s					
LED INDICATOR	O.V.P, U.V.P, O.T.P, O.L.P and Saving mode status						
INPUT	DC CURRENT	150A	75A	40A	150A	75A	40A
	NO LOAD CURRENT DRAW	≤12W @ non-saving mode, ≤1.5W @ saving mode					
	DC VOLTAGE	12V	24V	48V	12V	24V	48V
	VOLTAGE RANGE	10 ~ 16VDC	20 ~ 32VDC	42 ~ 62VDC	10 ~ 16VDC	20 ~ 32VDC	42 ~ 62VDC
	EFFICIENCY (Typ.)	85%	87%	88%	86%	89%	90%
	FUSE	40A* 6	20A*6	10A*6	40A*6	20A*6	10A*6
PROTECTION	BAT. LOW ALARM	10.5±0.5V	21±1V	42±2V	10.5±0.5V	21±1V	42±2V
	BAT. LOW SHUTDOWN	10±0.5V	20±1V	40±2V	10±0.5V	20±1V	40±2V
	OVER VOLTAGE	16~18V	32~34V	62~64V	16~18V	32~34V	62~64V
	OVER TEMPERATURE	85°C ±5°C / 185±40°F, Reset: re-power on					
	OUTPUT SHORT	Shut-off , Reset: re-power on					
BAT. POLARITY	By fuse open						
ENVIRONMENT	WORKING TEMP.	0 ~ +50°C					
	WORKING HUMIDITY	20% ~ 90% RH non-condensing					
	STORAGE TEMP., HUMIDITY	-30~+70°C / -22~+158°F, 10~95% RH					
	TEMP. COEFFICIENT	±0.05% / °C (0~50°C)					
SAFETY & EMC	SAFETY STANDARDS	UL458			-----		
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC					
	EMI CONDUCTION&RADIATION	Compliance to FCC class B			Compliance to EN55022 class B, 72/ 245/ CEE, 95/ 54/ CE		
	EMS IMMUNITY	-----			Compliance to EN61000-4-2,3, ENV50204		
	LVD	-----			Compliance to EN60950		
OTHERS	MTBF	50Khrs min. MIL-HDBK-217F(25°C)					
	DIMENSION	390*275*105mm (L*W*H)					
	PACKING	7.0kg; 2pcs / 17kg / CARTON					
	COOLING	by fan, ≥ 600W fan ON; ≤ 500W fan OFF					
	APPLICATIONS	Home appliance, Power tools, Office and Portable equipment, Vehicle and Yacht ...etc.					

■ AC Output Receptacles (optional)

TYPE-1	TYPE-2	TYPE-3	TYPE-4	TYPE-5	TYPE-6
USA	USA	EUROPE	UNIVERSAL	AUSTRALIA	U.K