



samlexamerica®

1500W



DC-AC Inverter Pure Sine Wave

Model

S1500-112, 12 VDC- 100 VAC
S1500-124, 24 VDC- 110 VAC
S1500-148, 48 VDC- 120 VAC
S1500-212, 12 VDC-220 VAC
S1500-224, 24 VDC-230 VAC
S1500-248, 48 VDC-240 VAC

Design Features

- True sine wave output (THD < 3%)
- RS-232 interface / remote control port
- Input & output fully isolated
- Thermostatically controlled cooling fan
- Advanced micro-processor
- Output voltage & frequency switch selectable
- Input polarity reverse / under voltage / over voltage protections
- Output short circuit / overload / over temperature protections
- Built-in voltage & wattage meters & LED for power status
- UL / 3-13 CE / FCC approval



2 YEAR WARRANTY

MODEL NO.		S1500-112	S1500-124	S-1500-148	S1500-212	S1500-224	S1500-248
OUTPUT	AC VOLTAGE	100 / 110 / 120 VAC Selectable by DIP switch			220 / 230 / 240 VAC selectable by DIP switch		
	RATED POWER	1500W	1500W	1500W	1500W	1500W	1500W
	SURGE POWER	2000W	2000W	2000W	2000W	2000W	2000W
	WAVEFORM	True Sine Wave (THD < 3%)			True Sine Wave (THD < 3%)		
	FREQUENCY	50 / 60 Hz selectable by DIP switch			50 / 60 Hz selectable by DIP switch		
	AC REGULATION	±3%	±3%	±3%	±3%	±3%	±3%
	POWER FACTOR ALLOWED	COSØ -90° ~ COSØ +90°			COSØ -90° ~ COSØ +90°		
	STANDARD RECEPTACLES	NEMA-15R / GFCI			Schuko / UK / Australia / Universal		
LED INDICATOR	OVP, UVP, OTP, OLP input voltage level, output load level and fault status						
INPUT	NO LOAD CURRENT DRAW	0.87A	0.43A	0.23A	0.83A	0.43A	0.22A
	DC VOLTAGE	12 VDC	24 VDC	48 VDC	12 VDC	24 VDC	48 VDC
	VOLTAGE RANGE	10.5~15 VDC	21~30 VDC	42 ~60 VDC	10.5~15 VDC	21~30 VDC	42~60 VDC
	EFFICIENCY (TYPE)	87%	90%	92%	90%	93%	94%
	FUSE	35A x 2	20A x 2	10A x 2	35A x 2	20A x 2	10A x 2
	REMOTE CONTROL	CR5 Optional			CR5 Optional		
PROTECTION	BATTERY LOW ALARM	11 VDC	22 VDC	44 VDC	11 VDC	22 VDC	44 VDC
	BATTERY LOW SHUTDOWN	10.5 VDC	21 VDC	42 VDC	10.5 VDC	21 VDC	42 VDC
	OVERLOAD	Shut OFF output voltage, re-power ON to recover			Shut OFF output voltage, re-power ON to recover		
	OVER VOLTAGE	15.3 VDC	30.6 VDC	61.2 VDC	15.3 VDC	30.6 VDC	61.2 VDC
	OVER TEMPERATURE	Shut OFF output voltage, recovers automatically after temperature goes down					
	OUTPUT SHORT	Shut OFF output voltage, re-power ON to recover			Shut OFF output voltage, re-power ON to recover		
ENVIRONMENT	BATTERY POLARITY REVERSE	By fuse open	By fuse open	By fuse open	By fuse open	By fuse open	By fuse open
	WORKING TEMPERATURE	0 ~ + 40°C	0 ~ + 40°C	0 ~ + 40°C	0 ~ + 40°C	0 ~ + 40°C	0 ~ + 40°C
	WORKING HUMIDITY	20% ~ 90% RH non-condensing			20% ~ 90% RH non-condensing		
	STORAGE TEMP. & HUMIDITY	-30°C ~ + 70°C / -22°F ~ +158°F / 10 ~ 95%			-30°C ~ + 70°C / -22°F ~ +158°F / 10 ~ 95%		
SAFETY & EMC	SAFETY STANDARDS	UL458 (only for “GFCI” receptacles)					
	ISOLATION RESISTANCE	I/P ~ O/P: 100M Ohms / 500 VDC			I/P ~ O/P: 100M Ohms / 500 VDC		
	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 x W x H) / PACKING	390 x 275 x 105mm / 15.35 x 10.83 x 4.13 inches / 7.0 kgs (15.43 lbs); 2 sets / 18 kgs (29.68 lbs) / CARTON					
	COOLING	Thermostatically controlled cooling fan			Thermostatically controlled cooling fan		
	APPLICATIONS	Home & office appliances, power tools & portable equipment, vehicles, yachts & solar power systems, etc.					

NOTE: Specifications are subject to change without notice

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