



samlexamerica

DC-AC Inverter Pure Sine Wave

Model
SK1500
12 ~ 48 VDC
120 VAC



FCC 2 YEAR WARRANTY

Design Features

- Pure sine wave output (THD < 3%)
- Switch selectable output frequency: 50 / 60 Hz
- Switch selectable Power Save Mode wherein the inverter shuts off non essential circuitry and reduces its no load self consumption till it sees a minimum programmed load (20 - 135 Watts)
- Optional wired remote controls for switching and monitoring the operation. Includes Ignition Lockout and Reverse Over-ride Function (ROF)
- Input and output are fully isolated
- Advanced micro-controller
- 1 load controlled cooling fan saves power consumption
- 3 tri-color LEDs display operational status and fault indications
- **Protections:** overload; short circuit; leakage; low and high DC input voltages; high temperature; reverse polarity
- **Safety:** UL listed to UL-458
- **EMC:** Complies with FCC Part 15(B), Class A

	MODEL NO.	SK1500-112	SK1500-124	SK1500-148
OUTPUT	OUTPUT VOLTAGE	110 VAC, +/- 5%		
	OUTPUT FREQUENCY	50 / 60 Hz +/- 0.05% (Selected by Switch)		
	TYPE OF OUTPUT WAVEFORM	Pure Sine Wave		
	TOTAL HARMONIC DISTORTION OF OUTPUT WAVEFORM	< 3%		
	CONTINUOUS OUTPUT POWER (At Power Factor = 1)	1500 W	1500 W	1500 W
	SURGE OUTPUT POWER (At Power Factor = 1)	3000 W	3000 W	3000 W
	PEAK EFFICIENCY (At full load)	88%	91%	92%
INPUT	AC OUTPUT CONNECTIONS	Dual NEMA5-20R receptacles with GFCI protection		
	NOMINAL DC INPUT VOLTAGE	12 VDC	24 VDC	48 VDC
	DC INPUT VOLTAGE RANGE	10.5 to 15 VDC	21 to 30 VDC	42 to 60 VDC
	DC INPUT CURRENT AT NO LOAD (Power Save on)	0.28 A	0.15 A	0.09 A
	DC INPUT CURRENT AT NO LOAD (Power Save off)	1.45 A	0.75 A	0.40 A
POWER SAVE (SLEEP MODE)	DC INPUT CONNECTIONS	M-8 screw / Wire with M-8 ring lug terminal		
	ENABLED / DISABLED BY SWITCH	Wake up power: 20 to 135 W (switch selectable)		
DISPLAY	INPUT VOLTAGE, OUTPUT POWER, STATUS	By steady / flashing patterns of three, 3- color LEDs		
REMOTE OPERATION	WIRED REMOTE CONTROL (Simple version) (Optional)	SR-8 with 10 ft cable		
	WIRED REMOTE CONTROL (Upgraded version) (Optional)	SR-6-12 with 10 ft cable	SR-6-24 with 10 ft. cable	
PROTECTION	LOW DC INPUT VOLTAGE ALARM	11.0 VDC	22.0 VDC	44.0 VDC
	LOW DC INPUT VOLTAGE SHUTDOWN	10.5 VDC	21.0 VDC	42.0 VDC
	HIGH DC INPUT VOLTAGE SHUTDOWN	15.3 VDC	30.6 VDC	61.2 VDC
	SHORT CIRCUIT SHUTDOWN	Yes		
	OVERLOAD SHUTDOWN	Yes		
	GROUND FAULT SHUTDOWN	GFCI protected dual NEMA5-20R receptacles		
	OVER TEMPERATURE SHUTDOWN	Yes		
COOLING	REVERSE POLARITY ON DC INPUT SIDE	Yes. Internal fuses will blow		
	FORCED AIR COOLING	1 fan. Will switch on/off at specified values of load / temperature of internal hot spot		
COMPLIANCE	SAFETY	Meets UL-458		
	EMI / EMC	Meets FCC Part 15(B), Class A		
ENVIRONMENT	OPERATING TEMPERATURE RANGE	0 °C to + 40 °C		
	STORAGE TEMPERATURE RANGE	- 30 °C to 70 °C		
DIMENSIONS	(L X W X H), MM	415 x 191 x 88		
	(L X W X H), INCHES	16.3 x 7.5 x 3.46		
WEIGHT	KG	4.8		
	LBS	10.6		

NOTE: Specifications are subject to change without notice