



samlexamerica®

1500W

DC-AC Inverter Pure Sine Wave

Model
SK1500
12 to 48 VDC
120 VAC



Design Features

- Pure sine wave output (THD < 3%)
- Switch selectable output frequency: 50 / 60 Hz
- Switch selectable Power Save Mode – 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 & monitoring the operation. Includes Ignition Lockout & 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 & high DC input voltages; high temperature; reverse polarity
- **Safety:** UL listed to UL-458 (Except SK-1500-148)
- EMI: FCC Part 15(B), Class A

2 YEAR WARRANTY



	MODEL NO.	SK1500-112	SK1500-124	SK1500-148
OUTPUT	OUTPUT VOLTAGE		120 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)	1500W		
	SURGE OUTPUT POWER (At Power Factor = 1)	3000W		
	PEAK EFFICIENCY (At full load)	88%	91%	92%
	AC OUTPUT CONNECTIONS	Dual NEMA5-20R receptacles with GFCI protection		
INPUT	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)	0.28A	0.15A	0.09A
	DC INPUT CURRENT AT NO LOAD (Power Save off)	1.45A	0.75A	0.40A
	DC INPUT CONNECTIONS	M-8 screw / Wire with M-8 ring lug terminal		
POWER SAVE (SLEEP MODE)	ENABLED / DISABLED BY SWITCH	Wake up power: 20 to 135W (Switch Selectable)		
DISPLAY	INPUT VOLTAGE, OUTPUT POWER, STATUS	By steady / flashing patterns of three, 3- color LEDs		
REMOTE OPERATION	Remote control (simple version) (optional), 10 ft. cable	SR-8 with 10' cable	SR-8 with 10' cable	-
	Remote control (upgraded version) (optional), 10 ft. cable	SR-6-12 with 10' cable	SR-6-24 with 10' cable	-
PROTECTION	LOW DC INPUT VOLTAGE ALARM	11.0 VDC	22.0 VDC	44.0 VDC
	LOW DC INPUT VOLTAGE SHUTDOWN	10.2 VDC	20.3 VDC	40.8 VDC
	HIGH DC INPUT VOLTAGE SHUTDOWN	15.3 VDC	30.6 VDC	61.0 VDC
	SHORT CIRCUIT SHUTDOWN	Yes		
	OVERLOAD SHUTDOWN	Yes		
	GROUND FAULT SHUTDOWN	GFCI protected dual NEMA5-20R receptacles		
	OVER TEMPERATURE SHUTDOWN	Yes		
	REVERSE POLARITY ON DC INPUT SIDE	Yes. Internal fuses will blow		
COOLING	FORCED AIR COOLING	1 fan. Will switch ON / OFF at specified values of load / temperature of internal hot spot		
COMPLIANCE	SAFETY	UL Listed to UL-458 (Except SK-1500-148)		
	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	(W x D x H), MM	191 x 370 x 88		
	(W x D x H), INCHES	7.52 x 14.57 x 3.46		
WEIGHT	KG	4.8		
	LBS	10.6		

NOTE: Specifications are subject to change without notice

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