



samlexamerica

DC-AC Inverter Pure Sine Wave

Model
SK1000
12 ~ 48 VDC
110 VAC



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



2 YEAR WARRANTY

MODEL NO.	SK1000-112	SK1000-124	SK1000-148	
OUTPUT	Output voltage	110 VAC, +/- 5%	110 VAC, +/- 5%	110 VAC, +/- 5%
	Output frequency	All 3 Models: 50 / 60 Hz +/- 0.05% (Selected by Switch)		
	Type of output waveform	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave
	Total Harmonic Distortion of output waveform	< 3%	< 3%	< 3%
	Continuous output power (at Power Factor = 1)	1000 W	1000 W	1000 W
	Surge output power (at Power Factor = 1)	2000 W	2000 W	2000 W
	Peak efficiency (at full load)	89%	92%	93%
	AC output connections	All 3 Models: 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)	0.25 A	0.15 A	0.09 A
	DC input current at no load (power save off)	1.43 A	0.75 A	0.38 A
	DC input connections	All 3 Models: M-8 screw / Wire with M-8 ring lug terminal		
POWER SAVE (SLEEP MODE)	Enabled / disabled by switch	All 3 Models: Wake up power: 20 to 135 W (switch selectable)		
DISPLAY	Input voltage, output power, status	All 3 Models: By steady / flashing patterns of three, 3- color LEDs		
REMOTE OPERATION	Remote control (simple version) (optional), 10 ft. cable	SR-8	SR-8	SR-8
	Remote control (upgraded version) (optional), 10 ft. cable	SR-6-12	SR-6-12	-
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	Yes	Yes
	Overload shutdown	Yes	Yes	Yes
	Ground fault shutdown	All 3 Models: GFCI protected dual NEMA5-20R receptacles		
	Over temperature shutdown	Yes	Yes	Yes
	Reverse polarity on DC input side	All 3 Models: Yes. Internal fuses will blow		
COOLING	Forced air cooling	All 3 Models: 1 fan. Will switch on/off at specified values of load / temperature of internal hot spot		
COMPLIANCE	Safety	All 3 Models: UL listed to UL-458		
	EMI / EMC	All 3 Models: Meets FCC Part 15(B), Class A		
ENVIRONMENT	Operating temperature range	0 °C to + 40 °C	0 °C to + 40 °C	0 °C to + 40 °C
	Storage temperature range	-30 °C to 70 °C	-30 °C to 70 °C	-30 °C to 70 °C
DIMENSIONS	(L X W X H), mm	383 x 182 x 88	383 x 182 x 88	383 x 182 x 88
	(L X W X H), inches	15.08 x 7.17 x 3.46	15.08 x 7.17 x 3.46	15.08 x 7.17 x 3.46
WEIGHT	Kg	4.0	4.0	4.0
	Lbs	8.8	8.8	8.8

NOTE: Specifications are subject to change without notice