



samlexamerica®

1000W



DC-AC Inverter
Pure Sine Wave

Model
SK1000-148
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

2 YEAR LIMITED WARRANTY



MODEL NO.		SK1000-148
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)	1000 W
	Surge output power (at Power Factor = 1)	2000 W
	Peak efficiency (at full load)	93%
	AC output connections	Dual NEMA5-20R receptacles with GFCI protection
INPUT	Nominal DC input voltage	48 VDC
	DC input voltage range	42 to 60 VDC
	DC input current at no load (power save on)	0.09 A
	DC input current at no load (power save off)	0.38 A
	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 135 W (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
	Remote control (upgraded version) (optional), 10 ft. cable	-
PROTECTION	Low DC input voltage alarm	44.0 VDC
	Low DC input voltage shutdown	40.8 VDC
	High DC input voltage shutdown	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	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	383 x 182 x 88
	(L X W X H), inches	15.08 x 7.17 x 3.46
WEIGHT	Kg	4.0
	Lbs	8.8

NOTE: Specifications are subject to change without notice

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