



samlexamerica®

# 3000W



**DC-AC Inverter**  
Pure Sine Wave

Model  
SK3000-148  
48 VDC  
120 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 (40 - 280 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.	SK3000-148
<b>OUTPUT</b>	Output voltage	120 VAC, +/- 5%
	Output frequency (selected by switch)	50 / 60 Hz +/- 0.05%
	Type of output waveform	Pure Sine Wave
	Total Harmonic Distortion of output waveform	< 3%
	Continuous output power (at Power Factor = 1)	3000 W
	Surge output power (at Power Factor = 1)	6000 W
	Peak efficiency (at full load)	92%
	AC output connections	Dual NEMA5-20R receptacles with GFCI protection; Terminal strip for hardwiring
<b>INPUT</b>	Nominal DC input voltage	48 VDC
	DC input voltage range	42 to 60 VDC
	DC input current at no load (power save on)	0.19 A
	DC input current at no load (power save off)	0.8 A
	DC input connections	M-8 bolt and nut / Wire with M-8 ring lug terminal
<b>POWER SAVE (SLEEP MODE)</b>	Enabled / disabled by switch	Wake up power: 40 to 280 W (switch selectable)
<b>DISPLAY</b>	Input voltage, output power, status	By steady / flashing patterns of three, 3- color LEDs
<b>REMOTE OPERATION</b>	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
<b>PROTECTION</b>	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	Yes. Only for GFCI protected dual NEMA5-20R receptacles
	Over temperature shutdown	Yes
	Reverse polarity on DC input side	Yes. Internal fuses will blow
<b>COOLING</b>	Forced air cooling	2 fans. Will switch on/off at specified values of load / temperature of internal hot spot
<b>COMPLIANCE</b>	EMI / EMC	Meets FCC Part 15(B), Class A
<b>ENVIRONMENT</b>	Operating temperature range	0°C to + 40°C
	Storage temperature range	-30°C to 70°C
<b>DIMENSIONS</b>	(L x W x H), mm	452 x 208 x 166
	(L x W x H), inches	17.8 x 8.18 x 6.53
<b>WEIGHT</b>	Kg	9.8
	Lbs	22

NOTE: Specifications are subject to change without notice

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