



samlexamerica

# 3000W



## DC-AC Inverter Pure Sine Wave

Model  
SK3000  
12 ~ 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 Override 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

**FC** 2 YEAR WARRANTY

MODEL NO.	SK3000-112	SK3000-124	SK3000-148	
<b>OUTPUT</b>	Output voltage	120 VAC, +/- 5%	120 VAC, +/- 5%	120 VAC, +/- 5%
	Output frequency (selected by switch)	50 / 60 Hz +/- 0.05%	50 / 60 Hz +/- 0.05%	50 / 60 Hz +/- 0.05%
	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)	3000 W	3000 W	3000 W
	Surge output power (at Power Factor = 1)	6000 W	6000 W	6000 W
	Peak efficiency (at full load)	88%	91%	92%
	AC output connections	<b>All Models:</b> Dual NEMA5-20R receptacles with GFCI protection; Terminal strip for hardwiring		
<b>INPUT</b>	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)	0.55 A	0.35 A	0.19 A
	DC input current at no load (power save off)	3.0 A	1.6 A	0.8 A
	DC input connections	<b>All Models:</b> M-8 bolt and nut / Wire with M-8 ring lug terminal		
<b>POWER SAVE (SLEEP MODE)</b>	Enabled / disabled by switch	<b>All Models:</b> Wake up power: 40 to 280 W (switch selectable)		
<b>DISPLAY</b>	Input voltage, output power, status	<b>All Models:</b> 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	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	<b>All Models:</b> Yes. Only for GFCI protected dual NEMA5-20R receptacles		
	Over temperature shutdown	Yes	Yes	Yes
	Reverse polarity on DC input side	<b>All Models:</b> Yes. Internal fuses will blow		
<b>COOLING</b>	Forced air cooling	<b>All Models:</b> 2 fans. Will switch on/off at specified values of load / temperature of internal hot spot		
<b>COMPLIANCE</b>	Safety	<b>All Models:</b> Meets UL-458		
	EMI / EMC	<b>All Models:</b> Meets FCC Part 15(B), Class A		
<b>ENVIRONMENT</b>	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
<b>DIMENSIONS</b>	(L x W x H), mm	452 x 208 x 166	452 x 208 x 166	452 x 208 x 166
	(L x W x H), inches	17.8 x 8.18 x 6.53	17.8 x 8.18 x 6.53	17.8 x 8.18 x 6.53
<b>WEIGHT</b>	Kg	9.8	9.8	9.8
	Lbs	22	22	22

NOTE: Specifications are subject to change without notice

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