



samlexamerica

DC-AC Inverter Pure Sine Wave

Model
SK3000
12 ~ 48 VDC
230VAC



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
- **Protections:** overload; short circuit; leakage; low and high DC input voltages; high temperature; reverse polarity
- **Safety & EMC:** CE marked.

CE 2 YEAR WARRANTY

	MODEL NO.	SK3000-212	SK3000-224	SK3000-248
OUTPUT	OUTPUT VOLTAGE	230 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)	3000 W	3000 W	3000 W
	SURGE OUTPUT POWER (At Power Factor = 1)	6000 W	6000 W	6000 W
	PEAK EFFICIENCY (At full load)	90%	93%	94%
AC OUTPUT CONNECTIONS	CEE 7/4 European "Schuko" Receptacle			
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)	0.55 A	0.35 A	0.19 A
	DC INPUT CURRENT AT NO LOAD (Power Save off)	2.80 A	1.50 A	0.70 A
DC INPUT CONNECTIONS	M-8 bolt and nut / Wire with M-8 ring lug terminal			
POWER SAVE (SLEEP MODE)	ENABLED / DISABLED BY SWITCH	Wake up power: 40 to 280 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	SR-8	SR-8
	Remote control (upgraded version) (optional), 10 ft. cable	SR-6-12	SR-6-24	-
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		
	OVER TEMPERATURE SHUTDOWN	Yes		
REVERSE POLARITY ON DC INPUT SIDE	Yes. Internal fuses will blow			
COOLING	FORCED AIR COOLING	2 fans. Will switch on/off at specified values of load / temperature of internal hot spot		
COMPLIANCE	SAFETY	CE marked. Meets EN60950-1		
	EMI / EMC	Meets EN55022:1997; EN55024:1997; EN61000-3-2:1998; EN61000-3-3:1995		
ENVIRONMENT	OPERATING TEMPERATURE RANGE	0 °C to + 40 °C		
	STORAGE TEMPERATURE RANGE	- 30 °C to 70 °C		
DIMENSIONS	(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		
WEIGHT	KG	9.8		
	LBS	22		

NOTE: Specifications are subject to change without notice