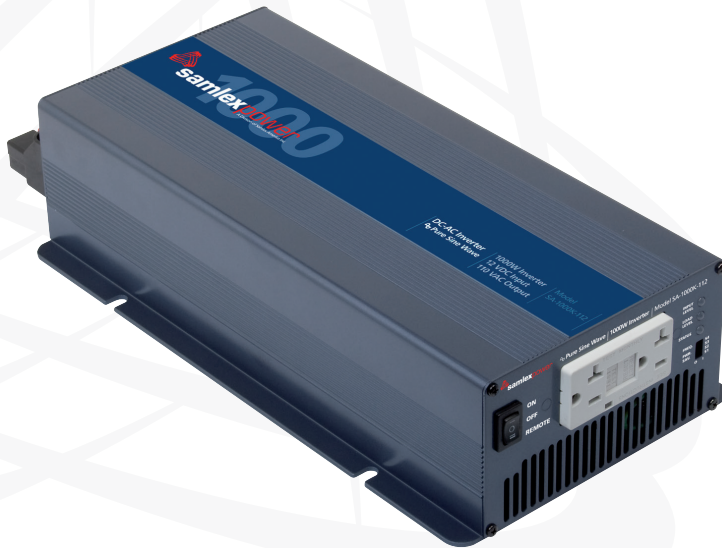




1000W
samlexamerica®



DC-AC Inverter Pure Sine Wave

Model
SA-1000K-112
12 VDC-110 VAC
SA-1000K-124
24 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.	SA-1000K-112	SA-1000K-124
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	1000 W
	SURGE OUTPUT POWER (At Power Factor = 1)	2000 W for 3 sec	2000 W for 3 sec
	PEAK EFFICIENCY (At full load)	89%	92%
	AC OUTPUT CONNECTIONS	Dual NEMA5-20R receptacles with GFCI protection	
INPUT	NOMINAL DC INPUT VOLTAGE	12 VDC	24 VDC
	DC INPUT VOLTAGE RANGE	10.5 to 15 VDC, +/- 0.2 VDC	21 to 30 VDC, +/- 0.4 VDC
	DC INPUT CURRENT AT NO LOAD (Power Save on)	0.25 A	0.15 A
	DC INPUT CURRENT AT NO LOAD (Power Save off)	1.43 A	0.75 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	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
PROTECTIONS	LOW DC INPUT VOLTAGE ALARM	10.5 VDC, +/- 0.2 VDC	21.0 VDC, +/- 0.4 VDC
	LOW DC INPUT VOLTAGE SHUTDOWN	10.0 VDC, +/- 0.2 VDC	20.0 VDC, +/- 0.4 VDC
	HIGH DC INPUT VOLTAGE SHUTDOWN	15.0 VDC, +/- 0.2 VDC	30.0 VDC, +/- 0.4 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 load controlled fan: ON > 150W ; OFF < 80W	
COMPLIANCE	SAFETY	UL listed to UL-458	
	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	
	LBS	8.8	

NOTE: Specifications are subject to change without notice

12003-SA-1000K-112-124-0715

To view a full selection of Samlex products visit our website at www.samlexamerica.com or contact us: 1-800-561-5885 or sales@samlexamerica.com