



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

- Power ON / OFF remote control available (Models S-R6-12, S-R6-24, S-R8 sold separately)
- Isolated input and output
- Load controlled cooling fan
- Advanced microprocessor design
- Output frequency 50 / 60 Hz switch selectable
- Power saving mode to conserve energy
- Protections: overload / short circuit, reverse polarity (fuse), over / under input voltage, over temperature
- Tri-color indicators display input, output level & failure status
- True sine wave output (THD < 3%)

NEW FOR 2010!



2 YEAR WARRANTY

	MODEL No.	SA-1000K-112	SA-1000K-124
OUTPUT	AC VOLTAGE	12 VDC - 120 VAC	24 VDC - 120 VAC
	CONTINUOUS OUTPUT POWER	1000 W	1000 W
	PEAK OUTPUT POWER	2000 W	2000 W
	WAVEFORM	True sine wave (THD < 3%)	True sine wave (THD < 3%)
	FREQUENCY	50 / 60 Hz Switch Selectable	50 / 60 Hz Switch Selectable
	AC REGULATION	± 3%	± 3%
	OUTLETS	2	2
	STANDARD RECEPTACLES	NEMA5-20R / GFCI	NEMA5-20R / GFCI
	LED INDICATOR	Input voltage level, output load level and fault status	
	INPUT	NO LOAD CURRENT DRAW	1.43 A
STAND-BY CURRENT DRAW		0.25 A	0.15 A
DC VOLTAGE		12 VDC	24 VDC
VOLTAGE RANGE		10.5 ~ 15.0 VDC	21.0 ~ 30.0 VDC
EFFICIENCY (Typ.)		89.0%	92.0%
FUSE		40 A x 4	20 A x 4
REMOTE CONTROL UNIT		Optional S-R6-12 / S-R8	Optional S-R6-24 / S-R8
PROTECTION	BATTERY LOW ALARM	11 VDC	22 VDC
	BATTERY LOW SHUTDOWN	10.5 VDC	21.0 VDC
	OVER LOAD	Shut off output voltage, re-power on to recover	
	OVER VOLTAGE	15.3 VDC	30.6 VDC
	OVER TEMPERATURE	Shut off output voltage, recovers automatically after temperature goes down	
	OUTPUT SHORT	Shut off output voltage, re-power on to recover	
	BATTERY POLARITY	By fuse open	By fuse open
ENVIRONMENT	WORKING TEMPERATURE	0 ~ +40°C	0 ~ +40°C
	WORKING HUMIDITY	20% ~ 90% RH non-condensing	20% ~ 90% RH non-condensing
	STORAGE TEMPERATURE & HUMIDITY	-30°C ~ +70°C / -22°F ~ +158°F / 10 ~ 95%	-30°C ~ +70°C / -22°F ~ +158°F / 10 ~ 95%
DIMENSIONS/ WEIGHT	INCHES	15.1 x 7.2 x 3.5 (L x W x H)	15.1 x 7.2 x 3.5 (L x W x H)
	MILLIMETERS	383 x 182 x 88 (L x W x H)	383 x 182 x 88 (L x W x H)
	POUNDS	8.8; 4 sets / 35.2 / CARTON	8.8; 4 sets / 35.2 / CARTON
	KILOGRAMS	4.0; 4 sets / 20.0 / CARTON	4.0; 4 sets / 20.0 / CARTON
OTHERS	COOLING	Loading controlled cooling fan	
	APPLICATION	Home and Office appliances, Power tools and Portable equipments, Vehicle, Yacht and Solar power systems ...etc.	

NOTE: Specifications are subject to change without notice