



600W  
samlexamerica



NEW FOR 2010!



2 YEAR WARRANTY

**DC-AC Inverter**  
Pure Sine Wave

Model
SA-600R-112 12 VDC-110 VAC
SA-600R-124 24 VDC-110 VAC

Design Features

- Power ON / OFF remote control capability
- Isolated input and output
- Load controlled cooling fan
- Advanced microprocessor design
- 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%)

	MODEL No.	SA-600R-112	SA-600R-124
OUTPUT	AC VOLTAGE	12 VDC -120 VAC	24 VDC -120 VAC
	CONTINUOUS OUTPUT POWER	600 W	600 W
	PEAK OUTPUT POWER	800 W	800 W
	WAVEFORM	True sine wave (THD < 3%)	True sine wave (THD < 3%)
	FREQUENCY	50 / 60 Hz selectable by DIP switch	50 / 60 Hz selectable by DIP switch
	AC REGULATION	± 3%	± 3%
	POWER FACTOR ALLOWED	COSq -90° ~ COSq +90°	COSq -90° ~ COSq +90°
	STANDARD RECEPTACLES	NEMA5 - 15R / GFCI	NEMA5 - 15R / GFCI
	LED INDICATOR	Input voltage level, output load level and fault status	
INPUT	NO LOAD CURRENT DRAW	0.87A	0.43A
	DC VOLTAGE	12 VDC	24 VDC
	VOLTAGE RANGE	10.5 ~ 15.0 VDC	21.0 ~ 30.0 VDC
	EFFICIENCY (Typ.)	87.0%	90.0%
	FUSE	35A x 2	20A x 2
	BATTERY LOW ALARM	11 VDC	22 VDC
PROTECTION	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 REVERSE	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%
SAFETY & EMC	SAFETY STANDARDS	UL458 (models with GFCI receptacles)	UL458 (models with GFCI receptacles)
	ISOLATION RESISTANCE	I/P ~ O/P: 100M Ohms / 500 VDC	I/P ~ O/P: 100M Ohms / 500 VDC
	EMI CONDUCTION & RADIATION	Compliance to FCC class B	Compliance to FCC class B
	EMS IMMUNITY	----	----
	LVD	----	----
	e-MARK	----	----
DIMENSIONS/ WEIGHT	INCHES	11.6 x 7.1 x 2.8 (L x W x H)	11.6 x 7.1 x 2.8 (L x W x H)
	MILLIMETERS	295 x 180 x 72 (L x W x H)	295 x 180 x 72 (L x W x H)
	POUNDS	5.9; 6 sets / 48.5 / CARTON	5.9; 6 sets / 48.5 / CARTON
	KILOGRAMS	2.7; 6 sets / 22.0 / CARTON	2.7; 6 sets / 22.0 / CARTON
OTHERS	COOLING	Loading controlled cooling fan	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