



300W
samlexamerica



DC-AC Inverter
Pure Sine Wave

Model	SA-300-112
	12 VDC-110 VAC
	SA-300-124
	24 VDC-110 VAC

Design Features

- Optional remote power ON / OFF capability
- Isolated input and output
- Thermal controlled cooling fan
- Advanced microprocessor design
- Input polarity reverse / under voltage / over voltage protections
- Output short circuit / overload / over temperature protections
- Capable of driving highly reactive and capacitive loads
- Tri-color indicators display input, output level & failure status
- True sine wave output (THD 6% Typ.)

UL US FC 2 YEAR WARRANTY

	MODEL No.	SA-300-112	SA-300-124
OUTPUT	AC VOLTAGE	12 VDC - 110 VAC	24 VDC - 110 VAC
	CONTINUOUS OUTPUT POWER	300 W	300 W
	PEAK OUTPUT POWER	400 W	400 W
	WAVEFORM	True sine wave (THD < 6%)	True sine wave (THD < 6%)
	FREQUENCY	60Hz	60Hz
	AC REGULATION	± 5%	± 5%
	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	0.24A
DC VOLTAGE		12 VDC	24 VDC
VOLTAGE RANGE		10.5 ~ 15.0 VDC	21.0 ~ 30.0 VDC
EFFICIENCY (Typ.)		89.0%	89.0%
FUSE		40A x 1	25A x 1
REMOTE CONTROL		By external switch	By external switch
PROTECTION	BATTERY LOW SHUTDOWN	10 ± 0.5V	20 ± 1.0V
	OVER LOAD	Shut off output voltage, re-power on to recover	
	OVER VOLTAGE	15 ~ 16 VDC	30 ~ 32 VDC
	OVER TEMPERATURE	Shut off output voltage, recovers automatically after temperature goes down	
	OUTPUT SHORT	Shut off output voltage, re-power on to recover	
ENVIRONMENT	BATTERY POLARITY REVERSE	By fuse open	By fuse open
	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	----	----
DIMENSIONS/ WEIGHT	e-MARK	----	----
	INCHES	9.3 x 6.1 x 2.8 (L x W x H)	9.3 x 6.1 x 2.8 (L x W x H)
	MILLIMETERS	237 x 155 x 72 (L x W x H)	237 x 155 x 72 (L x W x H)
	POUNDS	7.7; 4 sets / 37.5 / CARTON	7.7; 4 sets / 37.5 / CARTON
OTHERS	KILOGRAMS	3.5; 4 sets / 17 / CARTON	3.5; 4 sets / 17 / CARTON
	COOLING	Thermostatically controlled cooling fan	Thermostatically 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