



DC-AC Inverter Pure Sine Wave

Model	SA-150-112
	12 VDC-110 VAC
	SA-150-124
	24 VDC-110 VAC

Design Features

- Pure sine wave output (THD < 6%)
- Switch selectable output frequency: 50 / 60 Hz
- Remote ON/OFF control using external mechanical / transistor switch
- Input and output are fully isolated
- Advanced micro-controller
- Load controlled cooling fans save power consumption
- Tri-color LED for display of operational status and fault indications
- **Protections:** overload, short-circuit, leakage, low and high DC input voltages, high temperature and reverse polarity
- **Safety:** Listed to UL Standard UL-458
- **EMC:** Complies with FCC Part 15(B), Class B

2 YEAR WARRANTY



	MODEL NO.	SA-150-112	SA-150-124	
OUTPUT	OUTPUT VOLTAGE	110 VAC, ± 5%	110 VAC, ± 5%	
	OUTPUT FREQUENCY	50 / 60 Hz ± 0.3% (Selected by Switch)	50 / 60 Hz ± 0.3% (Selected by Switch)	
	TYPE OF OUTPUT WAVEFORM	Pure Sine Wave	Pure Sine Wave	
	TOTAL HARMONIC DISTORTION OF OUTPUT WAVEFORM	< 6%	< 6%	
	CONTINUOUS OUTPUT POWER (At Power Factor = 1)	150W	150W	
	SURGE OUTPUT POWER (At Power Factor = 1)	200W	200W	
	PEAK EFFICIENCY (At full load)	87%	88%	
	AC OUTPUT CONNECTIONS	Dual NEMA-15R receptacles with GFCI protection		
INPUT	NOMINAL DC INPUT VOLTAGE	12 VDC	24 VDC	
	DC INPUT VOLTAGE RANGE	10.5 to 15 VDC	21.0 to 30 VDC	
	DC INPUT CURRENT AT NO LOAD	0.3A	0.35A	
	DC INPUT CONNECTIONS	Detachable pair of wires with Anderson Power Pole Connectors on inverter side		
DISPLAY	STATUS OPERATIONS & PROTECTIONS	By steady / flashing patterns of 3 - color LED		
REMOTE OPERATION	WIRED ON/OFF CONTROL	By external contact closure through mechanical / transistor switch		
PROTECTIONS	LOW DC INPUT VOLTAGE SHUTDOWN	10.5 VDC	21.0 VDC	
	HIGH DC INPUT VOLTAGE SHUTDOWN	15.3 VDC	30.6 VDC	
	SHORT CIRCUIT SHUTDOWN	Yes	Yes	
	OVERLOAD SHUTDOWN	Yes	Yes	
	GROUND FAULT SHUTDOWN		GFCI protected dual NEMA5-20R receptacles	
	OVER TEMPERATURE SHUTDOWN	Yes	Yes	
	REVERSE POLARITY ON DC INPUT SIDE	Yes. Internal fuses will blow.	Yes. Internal fuses will blow.	
COOLING	FORCED AIR COOLING	Thermostatically controlled fan	Thermostatically controlled fan	
COMPLIANCE	SAFETY	UL Listed to UL-458	UL Listed to UL-458	
	EMI / EMC	Meets FCC Part 15(B), Class A	Meets FCC Part 15(B), Class A	
ENVIRONMENT	OPERATING TEMPERATURE RANGE	0°C to +40°C / 32°F to 104°F	0°C to +40°C / 32°F to 104°F	
	STORAGE TEMPERATURE RANGE	-30°C to 70°C / -22°F to 158°F	-30°C to 70°C / -22°F to 158°F	
DIMENSIONS	(L X W X H), MM	200 x 132 x 72	200 x 132 x 72	
	(L X W X H), INCHES	7.9 x 5.2 x 2.8	7.9 x 5.2 x 2.8	
WEIGHT		KG	2.7	
		LBS	5.6	