



DC-AC Inverter Pure Sine Wave

Model	S150-112
	12 VDC-110 VAC
	S150-124
	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



	MODEL NO.	S150-112	S150-124
OUTPUT	OUTPUT VOLTAGE		110 VAC, +/- 5%
	OUTPUT FREQUENCY		50 / 60 Hz +/- 0.03% (Selected by Switch)
	TYPE OF OUTPUT WAVEFORM		Pure Sine Wave
	TOTAL HARMONIC DISTORTION OF OUTPUT WAVEFORM		< 6%
	CONTINUOUS OUTPUT POWER (At Power Factor = 1)	150 W	150 W
	SURGE OUTPUT POWER (At Power Factor = 1)	200 W	200 W
	PEAK EFFICIENCY (At full load)	87%	88%
	AC OUTPUT CONNECTIONS	Dual NEMA5-15R receptacles with GFCI protection	
INPUT	NOMINAL DC INPUT VOLTAGE	12 VDC	24 VDC
	DC INPUT VOLTAGE RANGE	10.5 to 15 VDC	21 to 30 VDC
	DC INPUT CURRENT AT NO LOAD	0.3 A	0.35 A
	DC INPUT CONNECTIONS	Detachable pair of wires with Anderson Power Pole Connectors on inverter side	
DISPLAY	STATUS OF OPERATIONS & PROTECTIONS	By steady / flashing patterns of 3 -color LED	
REMOTE OPERATION	WIRED ON/OFF CONTROL	By external contact closure through mechanical / transistor switch	
	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
	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	Thermostatically controlled fan	
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	200 x 132 x 72	
	(L X W X H), INCHES	7.9 x 5.2 x 2.8	
WEIGHT	KG	2.7	
	LBS	5.6	

NOTE: Specifications are subject to change without notice