



## DC-AC Inverter Pure Sine Wave

Model  
SK200-148  
48 VDC  
120 VAC

### Design Features

- True Sine Waveform (< 3% THD)
- Advanced micro-controller
- High efficiency - 92%
- Input & output are fully isolated
- Switch selectable output frequency - 50 / 60 Hz
- Remote ON/OFF control by external switch
- Green/Red LED display for operating conditions
- Temperature and load controlled cooling fan

2 YEAR WARRANTY



	MODEL NO.	SK200-148
OUTPUT	OUTPUT VOLTAGE	120 VAC
	CONTINUOUS POWER	200W (Power Factor = 1)
	SURGE POWER	400W (Power Factor - 1; < 1 sec)
	WAVEFORM	True Sine Wave (THD < 3%)
	FREQUENCY	50/60 Hz selectable by DIP switch
	AC REGULATION	± 5%
	AC OUTLET	20A GFCI Duplex Receptacle, NEMA5-20R
	LED INDICATOR	Input voltage level, output load level and fault status
INPUT	NO LOAD CURRENT DRAW	0.19A
	CURRENT DRAW WHEN OFF IN REMOTE CONTROL	.08A
	DC VOLTAGE	48 VDC
	VOLTAGE RANGE	42 to 60 VDC
	EFFICIENCY (TYPICAL)	92%
	FUSE	10A x 1
	REMOTE CONTROL	By external switch
	BATTERY INPUT CONNECTION	Male Anderson type Power Pole Connector PP75 on inverter; 3 ft., AWG#10 detachable cord with mating Power Pole Connector on inverter end and bare wire on battery end; 2 Ring Terminals for battery end - for wire size AWG#12-10, Stud size 3/8"
PROTECTIONS	BATTERY LOW ALARM	44 VDC
	BATTERY LOW SHUTDOWN	< 42 VDC. Auto reset at 50 VDC
	OVER LOAD	Shut OFF output voltage; Switch OFF & then ON for reset
	OVER VOLTAGE	62 VDC. Auto reset at 52 VDC
	OVER TEMPERATURE	Shut OFF output when internal hot spot 55°C. Auto reset at 45°C.
	OUTPUT SHORT	Shut OFF output. Manual reset - switch OFF then ON
	BATTERY REVERSE POLARITY	Internal 10A fuse will blow
COOLING	Load and temperature controlled cooling fan	
ENVIRONMENT	WORKING TEMPERATURE	0°C to 40°C
	WORKING HUMIDITY	20% to 90% RH non-condensing
	STORAGE TEMPERATURE & HUMIDITY	-30°C to +70°C / -22°F to +158°F / 10 to 95% RH non-condensing
EMI	EMI CONDUCTION & RADIATION	FCC Part 15(B), Class B
GENERAL	DIMENSIONS (W x D x H), MM / INCHES	147 x 177.5 x 61.3 / 5.79 x 6.99 x 2.41
	WEIGHT, KG / LBS	1.70 / 3.74