

SF-1500 / 2000 SERIES

DC/ AC Sine Wave Inverters: 1500 ~ 2000 Watts



General Specifications

Output	200 ~ 240VAC (VR Tuner)
Output Power	1500 watts / 2000 watts
Maximum Output Power	1650 watts / 2300 watts 3min
Peak Output Power	3000 watts / 4000 watts
Input Voltage-DC	12VDC , (10 ~ 16V) 24VDC (20 ~ 32V) 48VDC (42 ~ 62 V)
DC Input Over Voltage Alarm	15.5V / 31.0V / 61.0V
DC Input Overvoltage Shutdown	16.0V / 32.0V / 62.0V
DC Input Under Voltage Alarm	10.5V / 21.0V 43.0V
DC Input Under Voltage Shutdown	10.0V / 20.0V / 42.0V
Efficiency	87 ~ 92% model dependent
No Load Current Draw-1500W models	0.16A @ 12V, 0.7A @ 24V 0.36A @ 48V
No Load Current Draw-2000W models	0.179A @ 12V, 0.87A @ 24V 0.4A @ 48V
Output Waveform	Resistive Load Sine Wave <3% THD
Output Voltage Regulation	±3%
Frequency	50 / 60Hz selectable
Digital Display	OVP, UVP, OTP, OLP, VAC, AMP, WATT, VDC, TEMP, Hz
Front panel digital display allows for selection of:	
Interface Control Port	RS-232C Remote Control -Optional
Protection	Overload, Short Circuit, Reverse Polarity (Fuse) Over / Under Input Voltage, Over Temperature
Safety	IEC60950-1
Isolation	Input-Output: 1880Vdc Input-Ground: 1880Vdc Output-Ground: 2060Vdc
EMC	EN55022 Class A
Immunity	IEC61000-4-2,-3, -4, -5, -6, 8, -11
Operating temp.	-20°C to 50°C
Cooling	Fan Cooled: Load controlled
Dimensions / Weight	413 x 278 x 102mm 7.2kg

Features

- 1500 watts & 2000 watts same package / size
- 12V, 24V & 48VDC input options
- Front panel digital display
- RS – 232C interface / remote control port / wire connection to PC
- Pure sine wave output (THD < 3%) R Load
- Output frequency : 50 / 60Hz switch selectable
- High peak power
- Over voltage & Under voltage input shutdown
- Overload and short circuit protection
- Led indicator for fault conditions
- Low input No Load current draw
- Auto shutdown prevents total battery discharge
- High efficiency up to 96%
- Advanced microprocessor

Description

The **SF-1500 & SF-2000 series** offer excellent performance to price ratio, for a wide range of Industrial applications.

Front panel digital display allows for selection of:
OVP, UVP, OTP, OLP,
VAC, AMP, WATT, VDC, TEMP, Hz

Suitable for powering all types of electronic loads and products, such as laptops, vacuum cleaners, fans, fluorescent, incandescent lights, shavers, coffee makers, toasters, video games, etc.

And the 3 minute maximum output power, allows for efficient and correct start up of motors and fans.

With a range of protection features such as “Auto shutdown” that prevents total battery discharge, and the extremely low input current draw when output is not powering equipment, ensures maximum battery capacity at all times.

Output voltage is user selectable 220/230/240V RMS ± 3%, allowing for the best setting for customer equipment.

Output voltage is **floating** and factory set: 230/240V RMS ± 3%.

Options

Output Voltage	110/115/120V 60Hz models: Consult sales office for complete part no / model
Input Voltage	SF-2000W models available with input voltage of 110Vdc or 220Vdc (110V & 220Vdc)

Model	Input Voltage	Output Voltage	Power Cont	Power Peak
SF-PSW12150E	12V	230 / 240VAC	1500W	3000W
SF-PSW24150E	24V	230 / 240VAC	1500W	3000W
SF-PSW48150E	48V	230 / 240VAC	1500W	3000W
SF-PSW12200E	12V	230 / 240VAC	2000W	4000W
SF-PSW24200E	24V	230 / 240VAC	2000W	4000W
SF-PSW48200E	48V	230 / 240VAC	2000W	4000W

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