

# SF-1500 / 2000 SERIES

DC/ AC Sine Wave Inverters: 1500 ~ 2000 Watts



## 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

## General Specifications

<b>Output</b>	200 ~ 240VAC ( VR Tuner )
<b>Output Power</b> (Continuous)	1500 watts / 2000 watts
<b>Maximum Output Power</b>	1650 watts / 2300 watts 3min
<b>Peak Output Power</b>	3000 watts / 4000 watts
<b>Input Voltage-DC</b>	<b>12VDC</b> , ( 10 ~ 16V ) <b>24VDC</b> ( 20 ~ 32V ) <b>48VDC</b> ( 42 ~ 62 V )
<b>DC Input Over Voltage Alarm</b>	15.5V / 31.0V / 61.0V
<b>DC Input Overvoltage Shutdown</b>	16.0V / 32.0V / 62.0V
<b>DC Input Under Voltage Alarm</b>	10.5V / 21.0V 43.0V
<b>DC Input Under Voltage Shutdown</b>	10.0V / 20.0V / 42.0V
<b>Efficiency</b>	87 ~ 92% model dependent
<b>No Load Current Draw-1500W models</b>	0.1.6A @ 12V, 0.7A @ 24V 0.36A @ 48V
<b>No Load Current Draw-2000W models</b>	0.1.79A @ 12V, 0.87A @ 24V 0.4A @ 48V
<b>Output Waveform</b>	Resistive Load Sine Wave <3% THD
<b>Output Voltage Regulation</b>	±3%
<b>Frequency</b>	50 / 60Hz selectable
<b>Digital Display</b> Front panel digital display allows for selection of:	OVP, UVP, OTP, OLP, VAC, AMP, WATT, VDC, TEMP, Hz
<b>Interface Control Port</b>	RS-232C Remote Control -Optional
<b>Protection</b>	Overload, Short Circuit, Reverse Polarity ( Fuse ) Over / Under Input Voltage, Over Temperature
<b>Safety</b>	IEC60950-1
<b>EMC</b>	EN55022 Class A
<b>Immunity</b>	IEC61000-4-2,-3, -4, -5, -6, 8, -11
<b>Operating temp.</b>	-20°C to 50°C
<b>Cooling</b>	Fan Cooled: Load controlled
<b>Dimensions / Weight</b>	413 x 278 x 102mm 7.2kg

## 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%.

## Options

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

- **Instruction manual and further details available from our website.**

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

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