

# SF3000 SERIES

DC/AC Sine Wave Inverters: 3000 Watts



## General Specifications

Output	200 ~ 240VAC ( VR Tuner )
Output Power	3000 watts
Maximum Output Power	3200 watts 3min
Peak Output Power	6000 watts
Input Voltage-DC	<b>12VDC</b> , (10 - 16) <b>24VDC</b> (20 - 32) <b>48VDC</b> (42 - 62) <b>110VDC</b> (90-140) <b>220VDC</b> (180-275)
DC Input Over Voltage Alarm	15.5V / 31.0V / 61.0V / 135VDC / 270VDC
DC Input Overvoltage Shutdown	16.0V / 32.0V / 62.0V / 140VDC / 275VDC
DC Input Under Voltage Alarm	10.5V / 21V / 43V / 95VDC / 185VDC
DC Input Under Voltage Shutdown	10V / 20V / 42V / 90VDC / 180VDC
Efficiency	86 ~ 94% model dependent
No Load Current Draw	2.2A @ 12V, 1.08A @ 24V 0.55A @ 48V, 0.28A @ 110V, 0.12A @ 220V
Output Waveform	Resistive Load Sine Wave <3% THD
Output Voltage Regulation	±3%
Frequency	50 / 60Hz selectable
Digital Display	OVP, UVP, OTP, OLP, Front panel digital display allows for selection of: VAC, AMP, WATT, VDC, TEMP, Hz
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: 1881Vdc Input-Ground: 1881Vdc Output-Ground: 2058Vdc / 2910Vac
EMC	EN55022 Class A
Immunity	IEC61000-2,-3, -4, -5, -6, 8, -11
Operating temp.	-20°C to 50°C
Cooling	Fan Cooled: Load controlled
Dimensions / Weight	454.6 x 283 x 101.2mm 10.6kg

## Features

- 3000 watts same package / size
- 12V, 24V & 48Vdc 110vdc & 220Vdc 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 94%
- Advanced microprocessor

## Description

The **SF3000 series** offer excellent performance to price ration, 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

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

Model	Input Voltage	Output Voltage	Power Cont	Power Peak
SF-PSW12300E	12V	230 / 240VAC	3000W	6000W
SF-PSW24300E	24V	230 / 240VAC	3000W	6000W
SF-PSW48300E	48V	230 / 240VAC	3000W	6000W
SF-PSW110300E	110V	231 / 240VAC	3000W	6000W
SF-PSW220300E	220V	232 / 240VAC	3000W	6000W

17/04/2020