

# SF-700 / 1000 SERIES

DC/ AC Sine Wave Inverters: 700 ~ 1000 Watts



## General Specifications

<b>Output</b>	230 / 240VAC (selectable)
<b>Output Power</b>	700 watts / 1000 watts
<b>Maximum Output Power</b>	780 watts / 1150 watts 3min
<b>Peak Output Power</b>	1400 watts / 2000 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-700W models</b>	0.83A @ 12V, 0.43A @ 24V 0.22A @ 48V
<b>No Load Current Draw-1000W models</b>	0.93A @ 12V, 0.47A @ 24V 0.31A @ 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>	OVP 、 UVP 、 OTP 、 OLP 、 VAC 、 AMP 、 WATT 、 VDC 、 TEMP 、 Hz
Front panel digital display allows for selection of:	
<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>Isolation</b>	Input-Output: 1880Vdc Input-Ground: 1880Vdc Output-Ground: 2060Vdc
<b>EMC</b>	EN55022 Class B
<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>	334 x 179 x 81mm 3.8kg

## Features

- ◆ 700 watts & 1000 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-700 & SF-1000 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-PSW1270E	12V	230 / 240VAC	700W	1400W
SF-PSW2470E	24V	230 / 240VAC	700W	1400W
SF-PSW4870E	48V	230 / 240VAC	700W	1400W
SF-PSW12100E	12V	230 / 240VAC	1000W	2000W
SF-PSW24100E	24V	230 / 240VAC	1000W	2000W
SF-PSW48100E	48V	230 / 240VAC	1000W	2000W

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