

SF-200 / 350 SERIES

DC/ AC Sine Wave Inverters: 200 ~ 350 Watts



Features

- ◆ 200 watts & 350 watts same package / size
- ◆ 12V, 24V & 48VDC input options
- ◆ 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

Output	230 / 240VAC (selectable)
Output Power	200 watts / 350 watts
Maximum Output Power	250 watts / 400 watts 3min
Peak Output Power	400 watts / 700 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	90 ~ 96% model dependent
No Load Current Draw-200W models	0.62A @ 12V, 0.33A @ 24V 0.18A @ 48V
No Load Current Draw-350W models	0.62A @ 12V, 0.40A @ 24V 0.19A @ 48V
Output Waveform	Resistive Load Sine Wave <3% THD
Output Voltage Regulation	±3%
Frequency	50 / 60Hz selectable
Output Indicator	Green LED
Fault LED	OLP - RED, OTP - RED, UVP / OVP - RED
Protection	Overload, Short Circuit, Reverse Polarity (Fuse) Over / Under Input Voltage, Over Temperature
Safety	IEC60950-1
EMC	EN55022 Class B
Isolation	Input-Output: 1880Vdc Input-Ground: 1880Vdc Output-Ground: 2060Vdc
Immunity	IEC61000-4-2,-3, -4, -5, -6, 8, -11
Operating temp.	-20°C to 50°C
Cooling	Fan Cooled: Load controlled
Dimensions / Weight	230 x 119 x 71mm 1.2kg

Description

The **SF-200 & SF-350 series** offer excellent performance to price ration, for a wide range of Industrial applications

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

Options

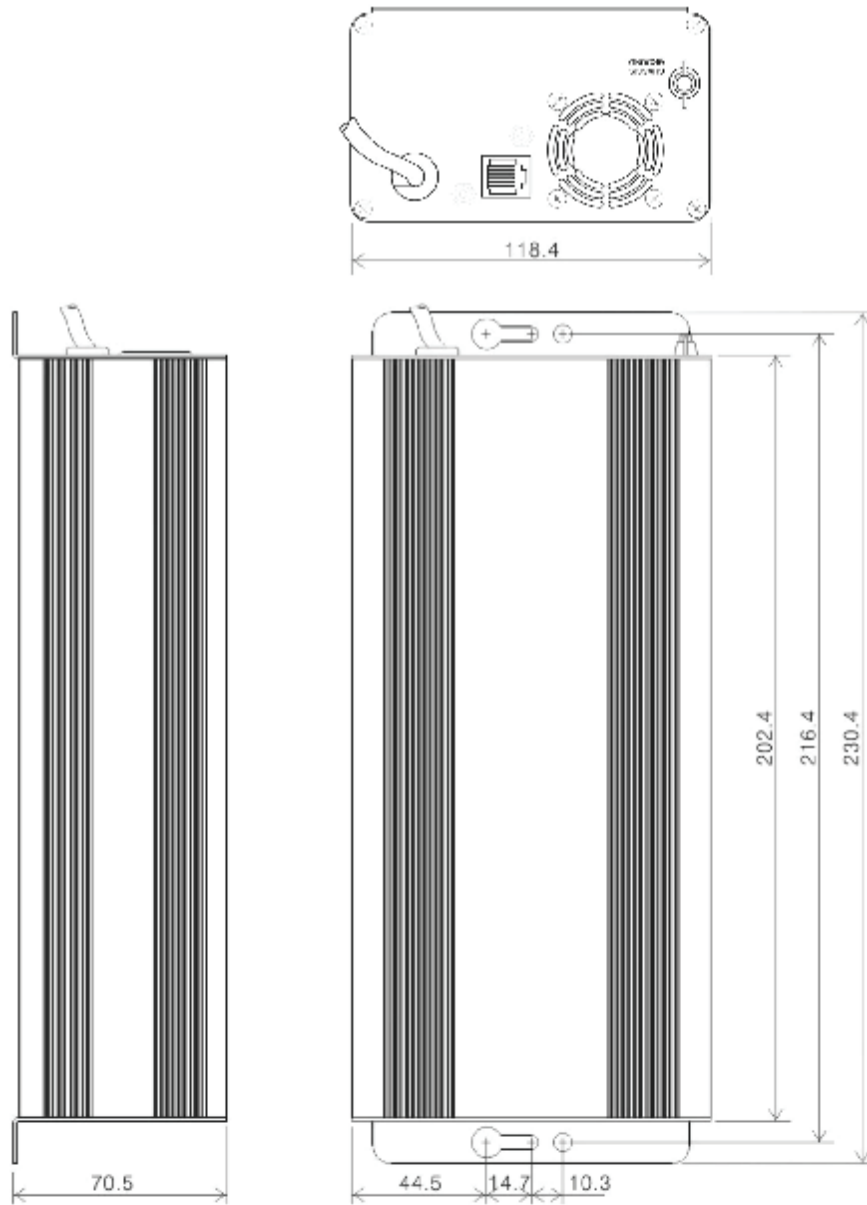
Output Voltage 110/115/120V RMS ± 3%
Consult sales office for complete part no / model

- ◆ **Instruction manual and further details available from our website www.heliosps.com.**

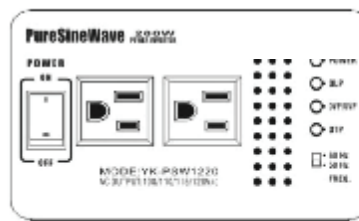
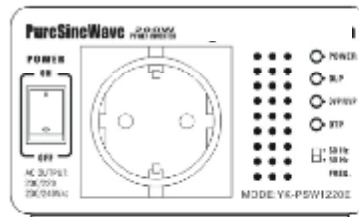
Model	Input Voltage	Output Voltage	Power Cont	Power Peak
SF-PSW1220E	12V	230 / 240VAC	200W	400W
SF-PSW2420E	24V	230 / 240VAC	200W	400W
SF-PSW4820E	48V	230 / 240VAC	200W	400W
SF-PSW1235E	12V	230 / 240VAC	350W	700W
SF-PSW2435E	24V	230 / 240VAC	350W	700W
SF-PSW4835E	48V	230 / 240VAC	350W	700W

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UNIT: mm



Note: RJ 11 port (for remote control) on rear panel is optional.