

SPECIFICATION

I. SCOPE

This specification is defined for DC to AC 2000W switching mode inverter.

II. INPUT SPECIFICATION

2.1 Input Voltage

Input voltage rating is 11~ 15Vdc at full load and room temperature 25°C.

2.2 Input No Load Current

Input no load current is 2.0A maximum at 12Vdc.

2.3 Fuse Rating

30A x 8pcs (replaceable)

III. OUTPUT SPECIFICATION

3.1 Output Voltage

Output voltage rating: 220 ~ 240Vac $\pm 10\%$

3.2 Output Frequency

Output frequency rating is 50/60Hz

3.3 Maximum Continuous Power

The output power rating is 2000W at room temperature 25°C and input voltage 12Vdc.

3.4 AC Receptacle

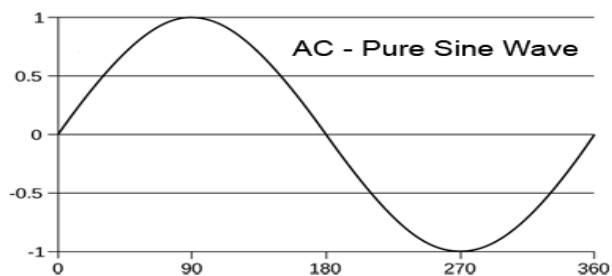
2 x AC outlet / VDE Schuko (Optional)

3.5 Wave Form

Pure Sine Wave.

3.6 Display Panel Port

Yes



IV. RELATED SAFETY FEATURES

4.1 Efficiency

The efficiency is $>90\%$ at 12Vdc input and full load.

4.2 Short Circuit Protection

When shorting occurs at the output terminal, the inverter will shut down to avoid damage at 12Vdc (At room temperature 25°C).

4.3 Over Load Protection

When the output load is over (105% to 110%), the inverter will shut down to avoid damage (At room temperature 25°C).

4.4 Over Temperature Protection

Shutdown will occur when the temperature inside the inverter reaches $60 \pm 10^\circ\text{C}$

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4.5 Over Voltage Protection

An alarm buzzer will sound when the input voltage is over $16V \pm 0.5V_{dc}$, the inverter will shut down to protect the battery and prevent damage to the plugged device.

4.6 Battery low alarm:

The inverter's battery low alarm will sound at $10.0 \sim 11.0 \pm 0.5V_{dc}$. The inverter will shutdown at

9.5~10.

$5 \pm$

$0.5V_{dc}$

4.7 USB Port

2.1A*2PCS

4.8 LED indication

4.8.1 Green indicator lights up during normal operation, red indicator lights up when abnormal operation occurs.

Yellow indicator lights up when over temperature occurs.

4.9 Cooling Method

Fan force cooling

4.10 Remote control included.

4.11 Sleep mode start (< 1% load)

10min. ± 2 min

4.12 Sleep mode current

< 0.3A

4.13 AC transfer time

< 0.1s

4.14 TC fan start temp.(SENSOR)

$40^{\circ}C \pm 5^{\circ}C$

4.15 Multi-function LCD Display

DC Input	AC Output
Battery Voltage	Output Voltage
Battery Current*	Output Current
Hours remaining	Output Watts
Current sensor required	

PS: Hours remaining function must be connected the "shunt" from Shunt Port of input panel

Example Error Code	Inverter Status
Er1 / LO-V – Battery Low voltage warning	ON
Er2 / LO-V – Battery Low voltage shutdown	OFF
Er3 / HI-V – Battery High voltage shutdown	OFF
Er4 / LOAD - Overload shutdown	OFF
Er5 / TEMP - Over temperature shutdown	OFF

LCD display can be removed for remote mounting
Additional frame allows surface mounting

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V. DIMENSION & WEIGHT

5.1 Case

L*W*H=420 x 247 x 118.5mm

5.2 Net Weight

6000g

5.3 Approvals

LVD & E-marks

