

## 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 22~ 30Vdc at full load and room temperature 25°C.

#### 2.2 Input No Load Current

Input no load current is 1.0A maximum at 24Vdc.

#### 2.3 Fuse Rating

20A x 6pcs (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 24Vdc.

#### 3.4 AC Receptacle

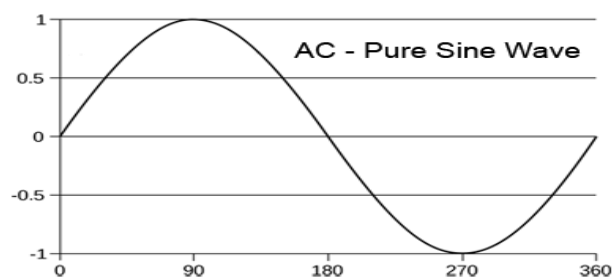
2 x AC outlet / VDE Schuko (Optional)

#### 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 24Vdc 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 24Vdc (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  $33V \pm 1.0Vdc$ , the inverter will shut down to protect the battery and prevent damage to the pl

## 4.6 Battery low alarm:

The inverter's battery low alarm will sound at  $20.0 \sim 22.0 \pm 1Vdc$ . The inverter will shutdown at  $19.0 \sim 21.0 \pm 1Vdc$ .

## 4.7 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.

## 4.8 Cooling Method

Fan force cooling

## 4.9 Remote control included.

## 4.10 Sleep mode start (< 1% load)

10min.  $\pm 2$ min

## 4.11 Sleep mode current

< 0.3A

## 4.12 AC transfer time

< 0.1s

## 4.13 TC fan start temp.(SENSOR)

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

## 4.14 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

