

# MP9822EII

## Emergency Power System



### Description

MP9822EII is an uninterruptible power supply device with dual conversion, single-phase input and single-phase output. The product is compact in size while with high efficiency and high reliability, which is user-friendly. It is an ideal choice for users in the field of finance, telecommunication, government, transportation, manufacturing and education. This device is used together with MP9822AII and battery box MP9822BII, among which MP9822AII is optional; MP9822BII is the battery box. Users can equip the devices according to the backup time requirements. And the quantity of the device is at least one and no more than three.

### Features

- Single-phase input and single-phase output;
- Multiple working modes for selection, and an indicator light shows the working status;
- Reliable and high quality power supply;
- Compact size and user friendly.

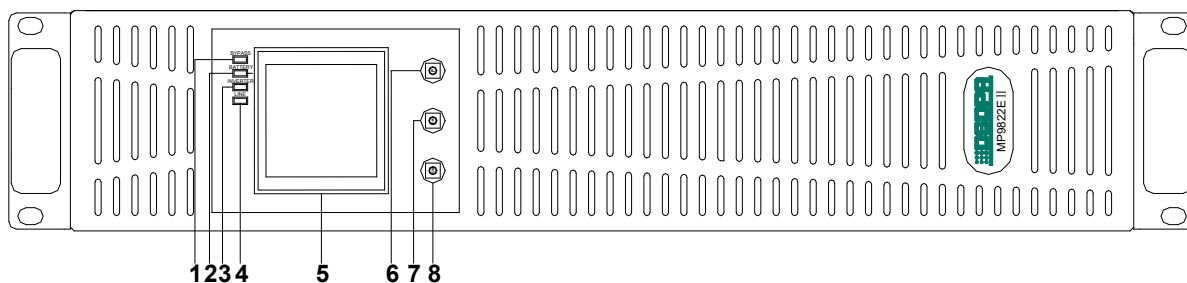
### Specifications

| Model            |                    | MP9822EII  |
|------------------|--------------------|--|
| Nominal capacity |                    | 3kVA/2700W   |
| Input            | Input mode         | One-way grounding  |
|                  | Voltage range      | (180±5)VAC~(250±5)VAC  |
|                  | The power factor   | ≥0.99  |
|                  | The bypass voltage | (180±5)VAC~(250±5)VAC  |
| Output           | Output way         | One-way grounding  |
|                  | The rated voltage  | AC220V ①   |
|                  | The power factor   | 0.9  |
|                  | Voltage accuracy   | ±2%  |
|                  | Frequency          | 1. Same as input frequency (46Hz ~ 54Hz);<br>2. 50Hz(AC power frequency >54Hz or mains power frequency <46Hz); |
|                  | Overload capacity  | 100%±5%<load ≤105%±5% overload alarm;  |

|                        |  |   |
|------------------------|--|---|
|                        |  | 105%±5% < load < 125%±5% convert to bypass output alarm after 10s; load > 125%±5%, convert to bypass output alarm after 300ms |
|                        | Conversion time                              | AC power ← → battery 0 ms<br>AC power ← → bypass < 4 ms   |
|                        | Crest factor                                 | 3:1   |
| EMC                    | Electro-Static discharge (ESD)               | IEC61000-4-2 Level4   |
|                        | Radiated electromagnetic field immunity (RS) | IEC61000-4-3 Level3   |
|                        | Electrical fast transit (EFT)                | IEC61000-4-4 Level4   |
|                        | Surge (Surge)                                | IEC61000-4-5 Level4   |
| MP9822BII battery      | Battery input voltage                        | 96VDC   |
|                        | Built-in battery number                      | N.A.  |
|                        | Built-in battery type                        | 12V/7AH Sealed maintenance-free lead-acid batteries   |
|                        | Backup time                                  | Full load ≥5 minutes  |
|                        | Charging current                             | 5.5A  |
| Working environment    | Working temperature                          | 0°C ~ 40°C  |
|                        | Working humidity                             | 20% ~ 90% (no condensation)   |
|                        | Working altitude                             | Less than 1,000 meters.<br>Over 1000 m, 1% reduction for every 100 m increase   |
|                        | Storage temperature                          | -15°C ~ 45°C  |
| Packing size, mm       | 568x550x223                                  |   |
| Machine dimensions, mm | 476x482.6x88                                 |   |
| Gross weight, kg       | 12   |   |
| Net weight, kg         | 10.5   |   |

## Front / Rear Panel

### Front Panel



1. Bypass indicator light
2. Battery indicator light
3. Inverting indicator light
4. AC Power indicator light
5. LCD display

## 6. Function keys

A) Battery self-check: in the AC power mode, press the function button for more than 2 seconds (two prompt tones) to start battery self-check and conduct battery self-check operation. During the self-check, the indicator lights flash successively one by one, and the self-check time is about 10s.

B) Mute elimination in battery mode and bypass mode: press the function button for more than 5 seconds (two prompt tones) to remove the alarm function in this mode, and continue to press the function button for more than 5 seconds (two prompt tones) to restore the alarm function.

C) LCD display switching: press the function key for 1 second and less than 2 seconds (one prompt tone) to switch the screen page.

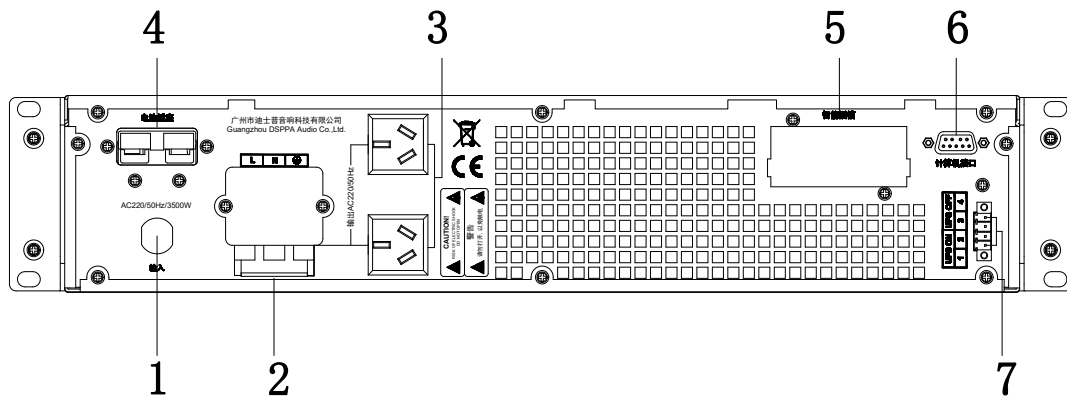
## 7. Power off button

When MP9822EII works in AC power mode and battery mode, press the power off button for more than 1 second (one prompt tone) to power off the device.

## 8. Power on button

Press the power on button for more than 1 second (one prompt tone) to power on the device.

## Rear Panel



### 1. AC power input

### 2. Output terminals

### 3. Output socket

### 4. External battery socket

### 5. Smart slots

This interface is reserved

### 6. Computer interface

This interface is reserved

### 7. UPS switch port

This interface is specially designed and used for MP9822AII. Connect MP9822EII with the UPS switch port of MP9822AII by the equipped cable. If MP9822AII is not equipped, this interface does not need to connect any other interface and MP9822EII can work normally.