

## MP9822EII

### Emergency Power System Cotroller



#### 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.

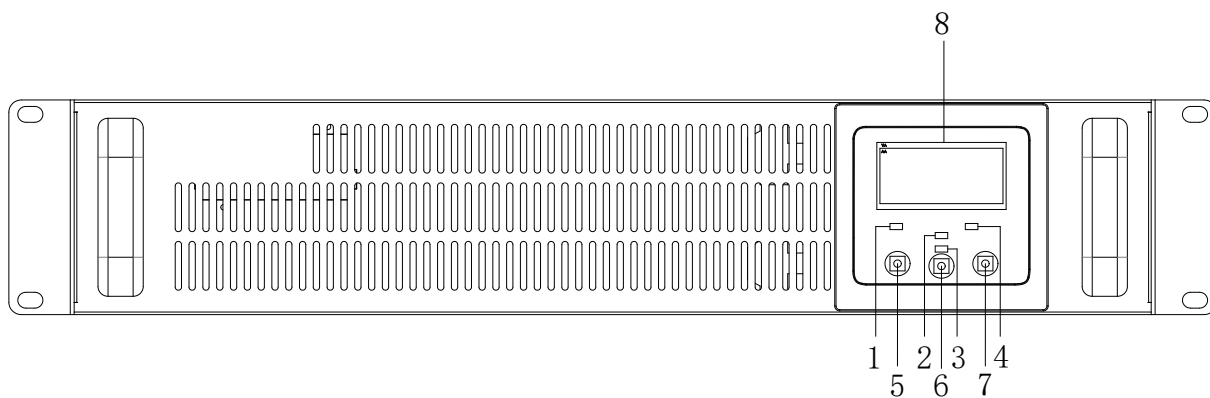
#### Specifications

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 <sup>①</sup>
	The power factor	0.9
	Voltage accuracy	±2%

EMC	Frequency	1. Same as input frequency (46Hz ~ 54Hz); 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 AC power←→bypass < 4 ms	
	Crest factor	3:1	
	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	
Working environment	Charging current	5.5A	
	Working temperature	0°C ~ 40°C	
	Working humidity	20%~90% (no condensation)	
	Working altitude	Less than 1,000 meters. 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. AC Power Indicator Light
2. Battery Indicator Light
3. Bypass Indicator Light

#### 4. Inverter Indicator Light

#### 5. Power On Button

Press and hold the Power On button for 1 second (a single beep) to turn on the device.

#### 6. Power Off Button

When the MP9822EII is operating in AC power mode or battery mode, press and hold the Power Off button for more than 1 second (a single beep) to turn off the device.

#### 7. Function Button

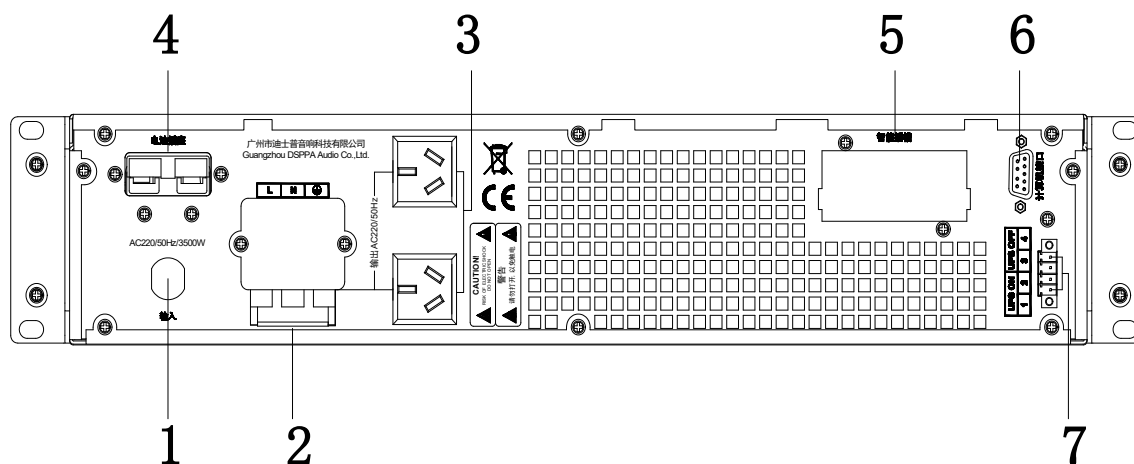
a) Battery self-check: in the AC power mode, press the function button for more than 2 seconds (two prompt tones) to start battery self-check and conduct battery self-check operation.

b) Mute elimination in battery mode and bypass mode: press the function button for more than 2 seconds (two prompt tones) to remove the alarm function in this mode, and continue to press the function button for more than 2 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.

#### 8. LED Screen

### 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 MP9822AII 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.