

Amern[®]

PATENT SERIES



AN-MPSG-T

Solar Inversion Power Supply System

CE (RoHS) Touch Screen

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TOUCH SCREEN

Touch screen can view system data more convenient.

DOUBLE CPU

Excellent performance because of double CPU intelligent control technology.



01 PART ONE PRODUCT ADVANTAGE



LITHIUM BATTERY

≥6000 Cycles CLASS A Lithium Battery 5 Years Service Life

The image shows a white lithium battery unit with a glowing blue lightning bolt icon on its front panel. To the left, there are three icons: a circular arrow for cycles, a letter 'A' for class, and the number '5' for years. The background is dark blue with a glowing blue arrow pointing right.

LITHIUM BATTERY

6000 cycles lithium battery and has a 5 years service life.

MPPT CONTROLLER

MPPT controller greatly improving the charging efficiency more than 20%.



MPPT CONTROLLER

20% ↑ Efficiency Improve

The image shows a white MPPT controller unit with a blue top section. To its right is a solar panel array. A red line with a lightning bolt icon connects the controller to the solar panel. A sun icon is in the top right corner. The background is dark blue with a glowing blue arrow pointing right.



WIFI SMART MONITORING

The image shows a hand holding a smartphone displaying a monitoring app interface. To the right is a small white MPPT controller unit. The background is dark blue with a glowing blue WiFi signal icon and a circular data visualization.

WIFI SMART MONITORING

The system's working status would be shown by mobile phone APP through wifi module.

02 PART TWO SYSTEM WORKING DIAGRAM



03 PART THREE SPECIFICATION

Model	MPSG-T-S3000	MPSG-T-S5000	MPSG-T-D5000
Battery Voltage	24V	48V	48V
Inverter			
RATED POWER	3000W	5000W	5000W
Input Voltage Range	170-275VAC		
Input Frequency	45-65		
Output Voltage	110/220		
Output Frequency	50/60		
Output Wave	Pure Sine Wave		
Spetication Of Built-in Lithium Battery	2600WH(Single battery box)	4500WH(Single battery box)	9000WH(Double battery box)
Communication	WIFI(optional)		
MPPT Solar Input			
Max. PV Power	1500W	1500W	3000W
Range Of Charging Voltage	30-150VDC	60-150VDC	60-150VDC
Rated Charge Current	60A(MPPT)	30A(MPPT)	60A(MPPT)
MPPT efficiency	≥99%		
Voltage For Floating Charge	24.9VDC	49.8VDC	49.8VDC
Low Voltage Recovery Voltage	23.4VDC	46.8VDC	46.8VDC
Low Voltage Protecton Voltage	18.6VDC	37.2VDC	37.2VDC
DC Output			
Mobile output	TYPE C-PD60 / USB QC3.0 / USB-5VDC 2.4A/2 units		
12VDC Output Ports	2 units / MAX 2A		

PART FOUR | DIMENSION FIGURE



MPSG-T-S3000 / MPSG-T-S5000

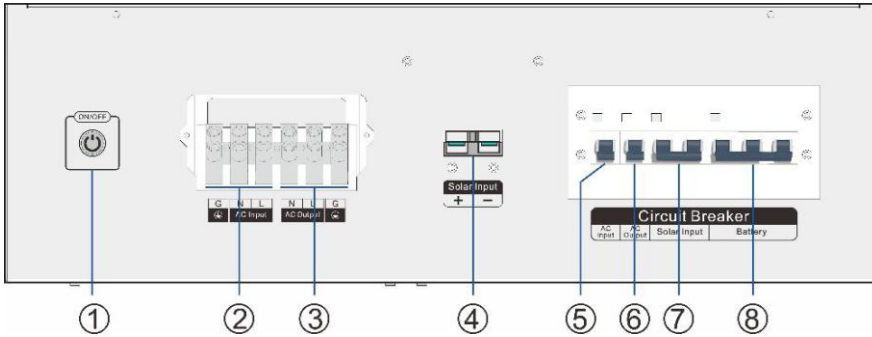


MPSG-T-D5000

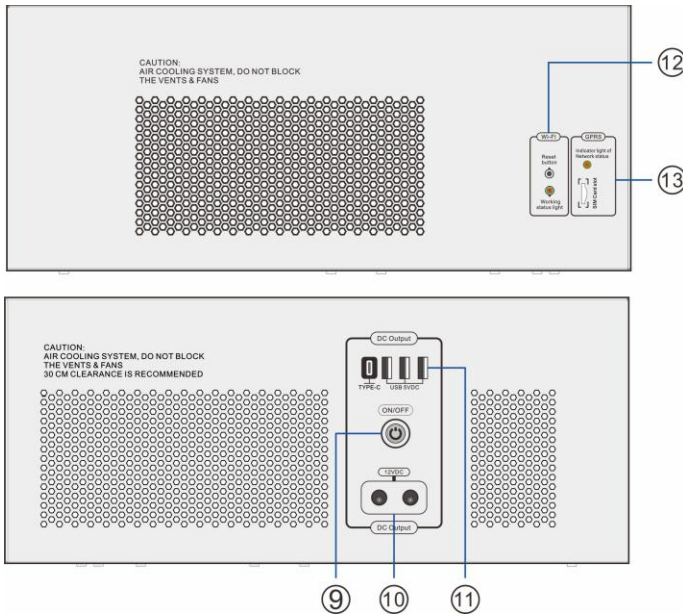
05 PART FIVE OPERATION INSTRUCTIONS

operation instructions

1. Rear panel icon



2. Side panel icon



Guide:

- ① -- On/Off Switch
- ② -- AC Input terminals
- ③ -- AC Output terminals
- ④ -- PV Input terminals (PV Charger)
- ⑤ -- AC Input breaker
- ⑥ -- AC Output breaker
- ⑦ -- PV Input breaker
- ⑧ -- Battery breaker: built-in battery switch
- ⑨ -- DC output ON/OFF switch
- ⑩ -- 12VDC Output
- ⑪ -- TYPE-C/USB Output (USB sockets)
- ⑫ -- WIFI Module
- ⑬ -- GPRS Module

3. Touch screen display

The touch screen real-time display device parameters, running status at a glance.



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THANKS VERY MUCH

