

Anern[®]

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 'C' in a circle for cycles, an 'A' in a square for class, and a '5' in a square for service life. 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. It is connected via red and black wires to a solar panel. A sun icon is in the top right corner. The background is dark blue with a glowing blue arrow pointing right and a faint 'MPPT' watermark.

WIFI SMART MONITORING

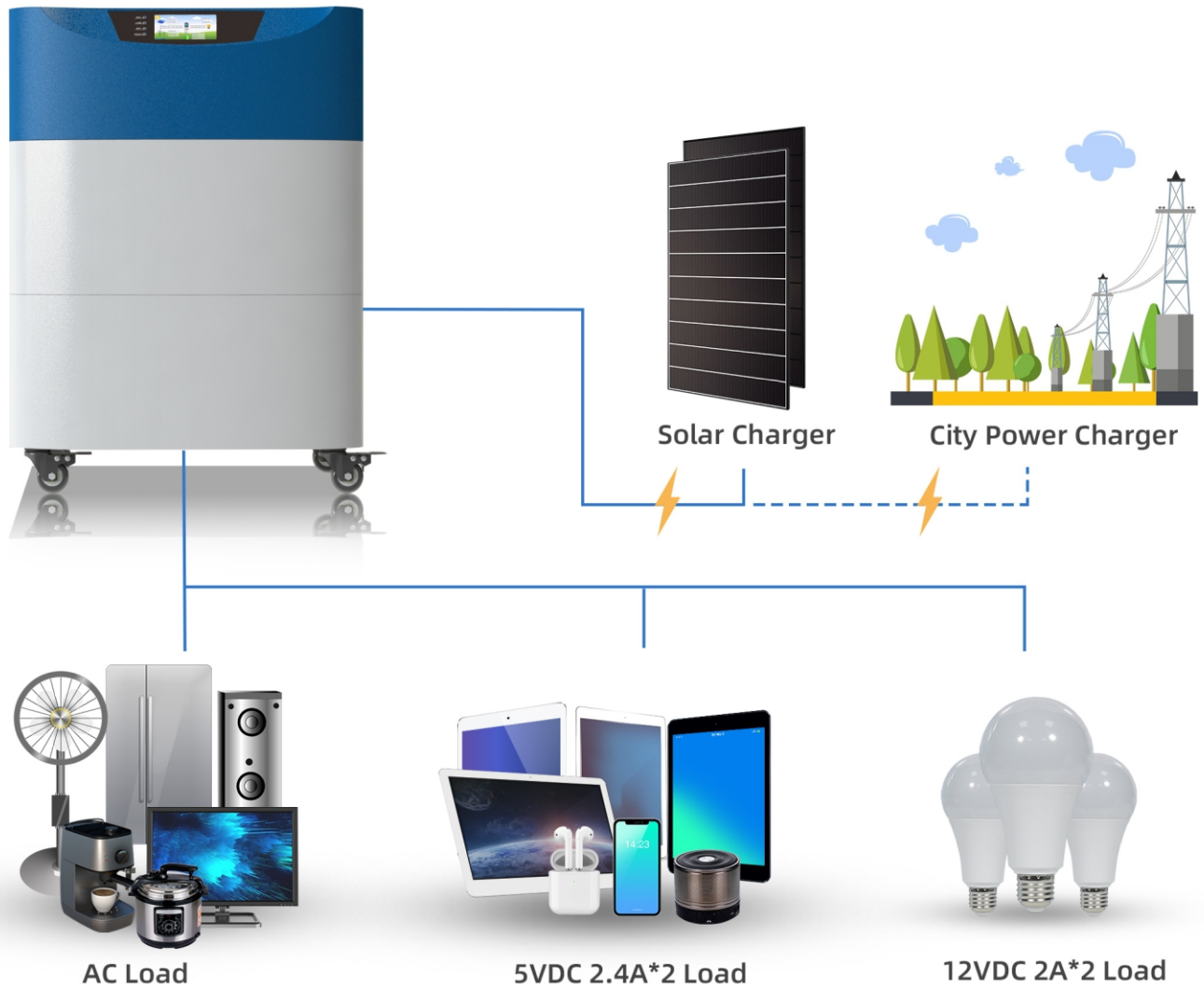
The system's working status would be shown by mobile phone APP through wifi module.



WIFI SMART MONITORING

The image shows a hand holding a smartphone displaying a monitoring app interface. Next to it is a small white MPPT controller unit. The background is dark blue with a glowing blue Wi-Fi symbol and a circular data visualization.

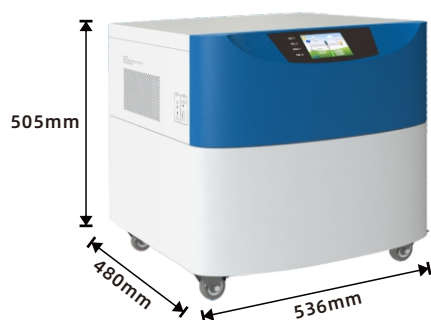
02 PART TWO SYSTEM WORKING DIAGRAM



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		
Specification 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 Protection 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



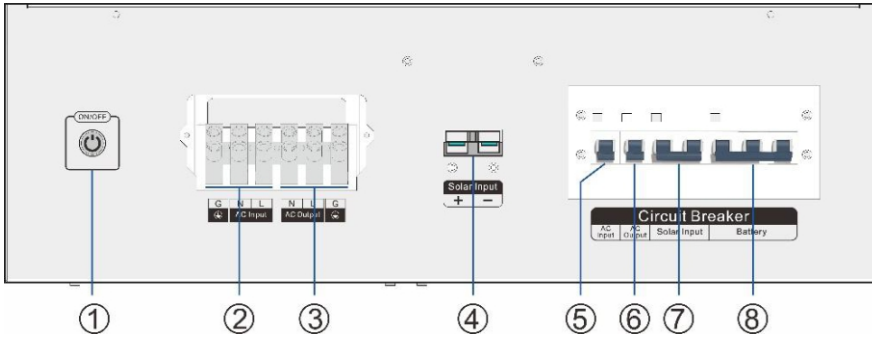
MPSG-T-D5000



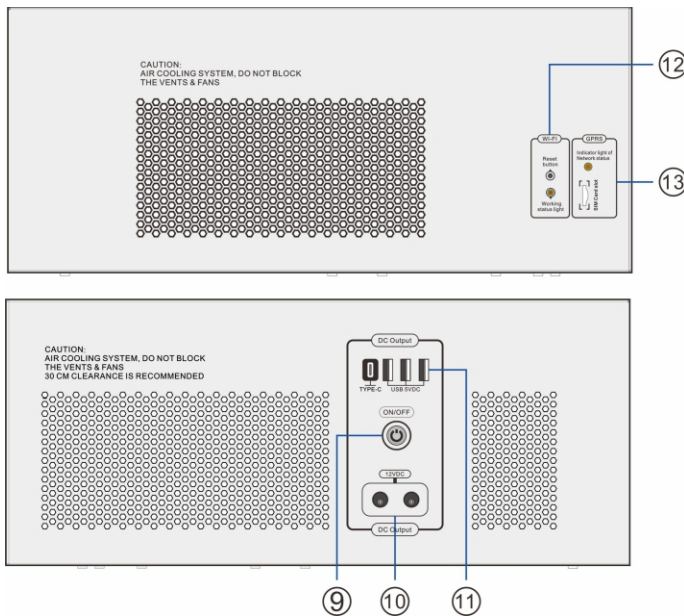
05 PART FIVE OPERATION INSTRUCTIONS

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.



A N E R N / S O L A R / P O W E R / S Y S T E M

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THANKS VERY MUCH



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