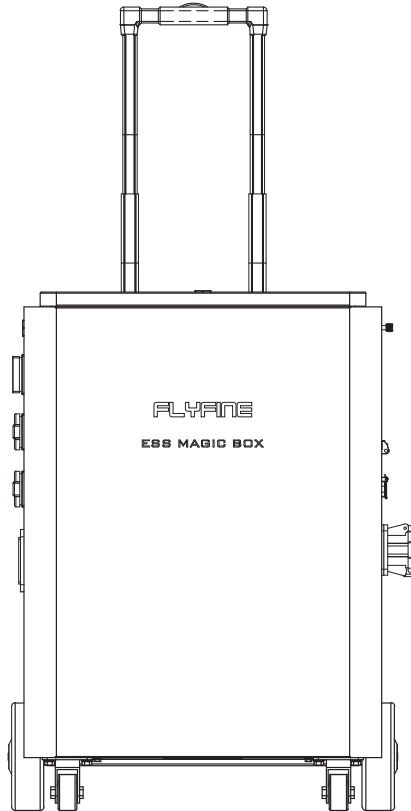
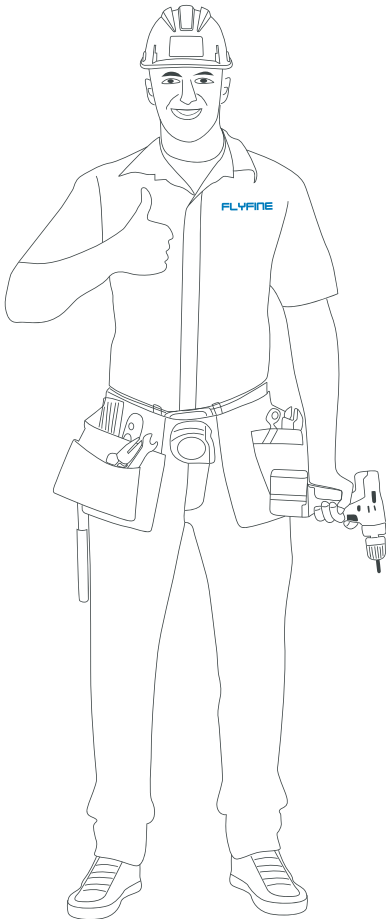


User Manual

5kWh Mobile Energy Storage Generator

Model: FP5000



Catalogs

Preface	01
Precautions	01
Product Size	02
Technical Parameters.....	03
Steps for Usage	04
Packaging, Transportation and Storage	09

Preface

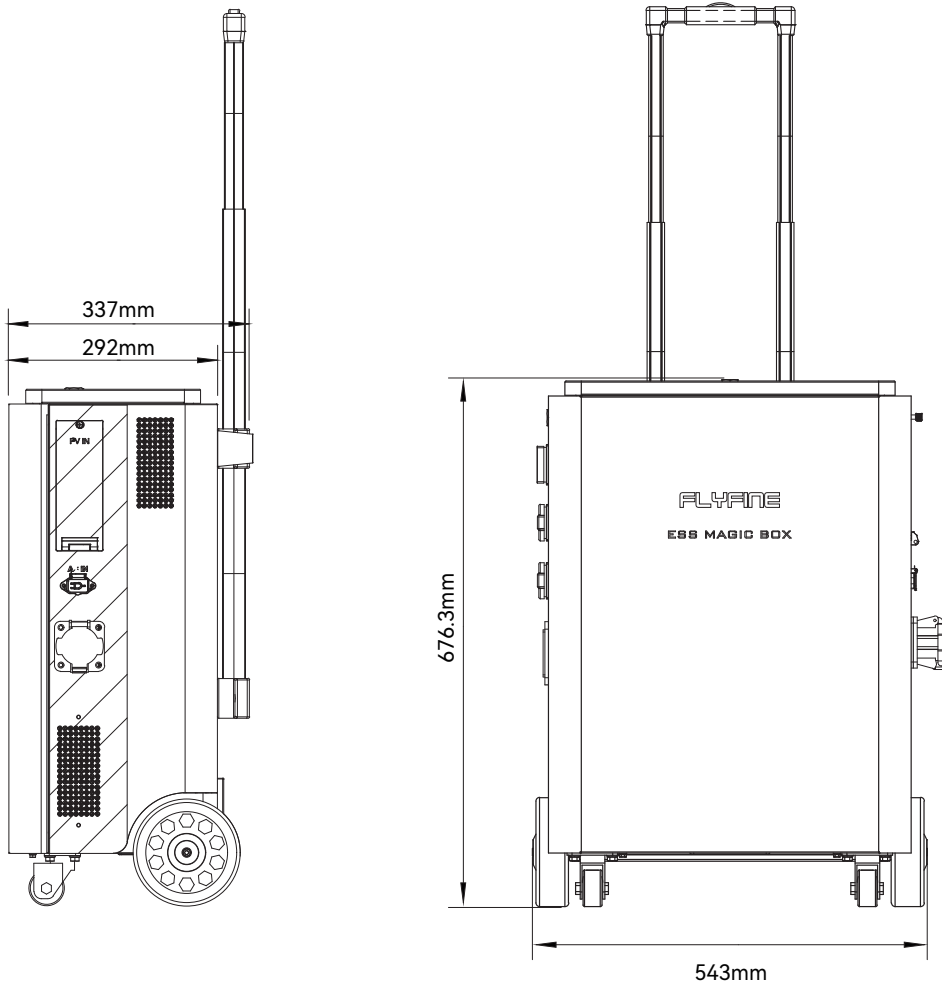
Welcome to use the portable power station FP5000. This short manual will help you. Please take the time to read this manual and use this product according to the instructions below. Just read through it once and you will fully understand how to use this product.

Precautions

- 1 Once the safety protection of the product is damaged, the product must stop working and be maintained according to the relevant maintenance regulations.
- 2 After cutting off the power supply, the product must be shut down for 5 minutes to allow the capacitors to have enough discharge time before the power storage system can be repaired.
- 3 Pay attention to safe use, avoid touching places with safety warning signs and high voltage signs with your hands to avoid electric shock and burns.



Product Size



Technical Parameters

Model: FP5000

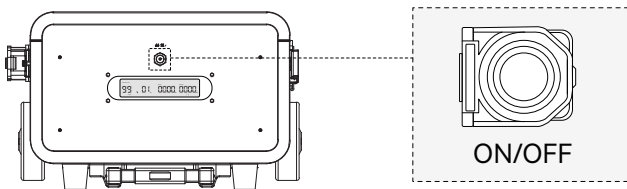
Category	Items	US Version	EU Version
Input	AC input Power	1680W/120V*14A	3450W/230V 15A
		2160W/240V*9A	
	PV Input Power(Max.)	3000W	
	MPPT Voltage Range	30V-150V	
	PV Input Current(Max.)	30A	
	EV Input Power(Max.)	3000W(Single Phase)	5000W
5000W(Split Phase)			
Total Input Power	AC Input Power 5000W(Max.); DC Input Power 3000W(Max.); Total: 8000W (Max.)		
Output	Output Voltage	120V/240V, 50Hz/60Hz	220-240V, 50Hz/60Hz
	AC Output Power	3000W(Single Phase)	5000W
5000W(Split Phase)			
Battery	Capacity	100Ah/51.2V 5120Wh	
	Cycle life(80%DOD)	6500Cycle @0.5C @25°C	
	Continuous Charging Current	100A (1C)	
	Continuous Discharging Current	100A (1C)	
	Peak Discharge Current	300A(10s), SOC≥30%	
The system	Inputs	AC Input*1, PV Inputs*2, EV Input *1	
	Outputs	NEMA TT-30*1; NEMA 5-20 *2; NEMA 14-50 *1	AC Outputs: Type F*3
	UPS Function	Switches Within 10ms	
	Operating Temperature	Charge: 0°C~45°C±3°C; Discharge: -20°C~55°C.	
	Operating Humidity	0%-95%	
	Altitude	2000m	
	Protection Level	IP20	



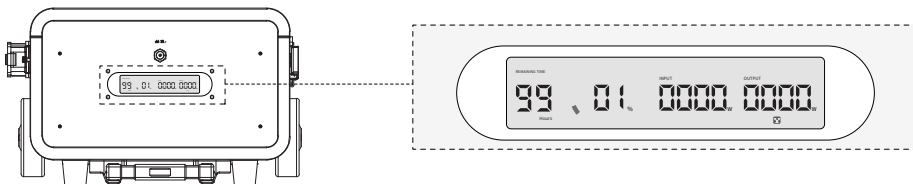
The system	Cooling Method	Air Cooling	
	Certificate	UN38.3,MSDS,UL	UN38.3,MSDS,CE
	Weight	70±3KGs	
	Dimensions (W*D*H)	543*337*677(mm)	
	Accessories	User Manual, AC plug	

Steps for Usage

- 1 Power on and off: Open the anti-accidental touch cover and press the power button.



- 2 After the product is powered on, the display lights up and shows the following information from left to right: remaining charging/discharging time (99 hours in standby mode), battery SOC (the ratio of the remaining battery power to the rated capacity), input power and output power.



- 3 When the system power is low, the output is best not to carry high power. If continued use, the product will be over discharged and it may cause automatic shutdown protection. After the shutdown, you need to wait for 2 minutes and then press the switch to restart it. The device needs to be charged as soon as possible at this moment.
- 4 When the product is charging through AC, the indicator lights around the SOC on screen will be lit one by one, the charging power and the remaining charging time will be showed, and the icon of a power plug will appear below the charging power;



When the product is charging through PV, the indicator lights around the SOC on screen will be lit one by one, the charging power and the remaining charging time will be showed, and the icon of a solar panel will appear below the charging power.

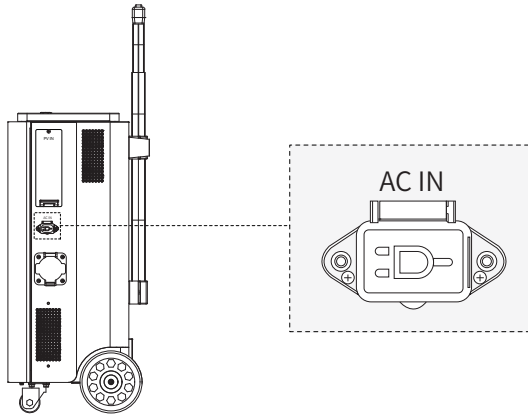


AC charging and PV charging can be operated simultaneously.

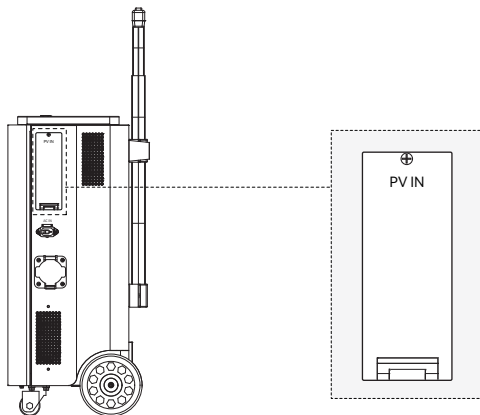


5 The Charging Side:

- 5.1 AC Input: the input voltage is 120V, the frequency is 60Hz, and the input power is 1500W. It takes about 3 hours to fully charge.

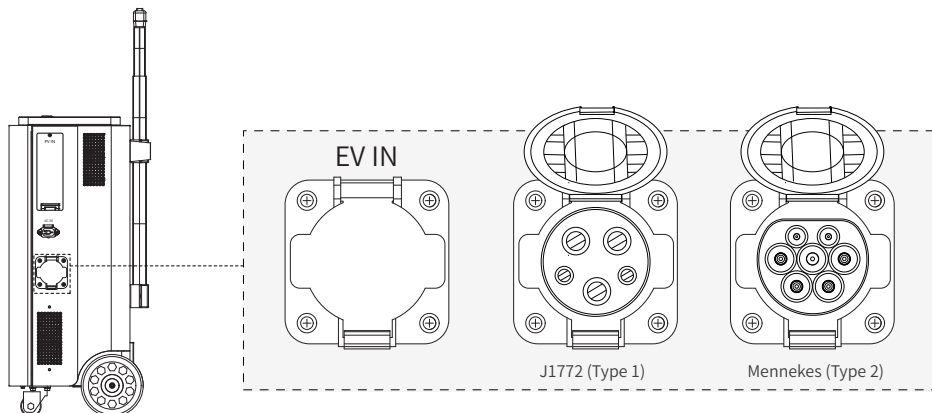


5.2 PV input: it has two groups of positive and negative interaces. The total input power of the two groups is 3000W. Each group of interaces supports maximum 15A current. There fore, when the PV input current is too large, the PV array needs to be divided into two groups, and connects to the two groups of interaces at the same time. The PV input range is 30-150V DC.



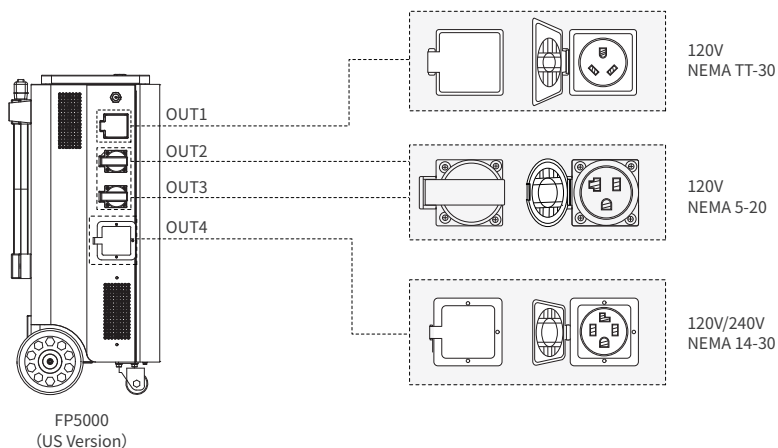
5.2 EV Input: EV can be used as the fast charging por of this product, which supports the split AC 240V/3000W input.



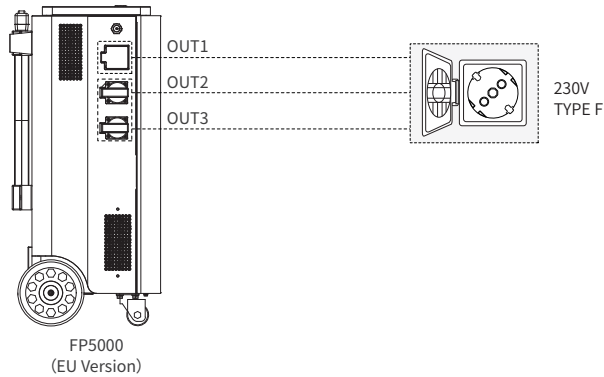


6 AC Output Ports;

6.1 US Version: There are four AC output ports on the left side, of which OUT1, OUT2 and OUT3 support single-phase voltage of 120V; OUT4 is compatible with single-phase and split-phase, supporting 120/240V voltage, and the output frequency is 60Hz; the output power of OUT1, OUT2 and OUT3 shall be 2500W(Max.), the output power of OUT4 shall be 5000W(Max.), and the total output power of the four AC output ports shall be 5000W(Max.).

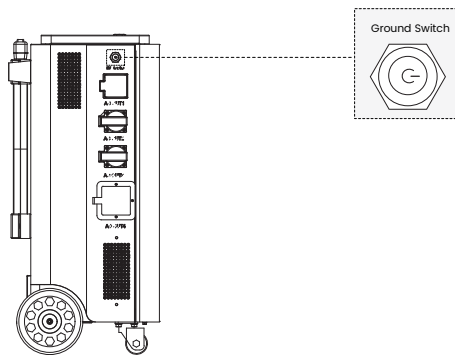


- 6.2 European Version: There are three AC output ports on the left side, the voltage is 230V, and the output frequency is 50Hz; the output power of each port shall not exceed 3500W, and the maximum total output power shall not exceed 5000W.



Warning: Overpower output will trigger an alarm and turn off the output

- 7 If you need to charge the EV with this product, press the ground switch above the outputs before charging. If no device is connected to the AC output within 1 minute after you press the ground switch, the ground will be cut off. If you need to charge the EV, press the ground switch again.



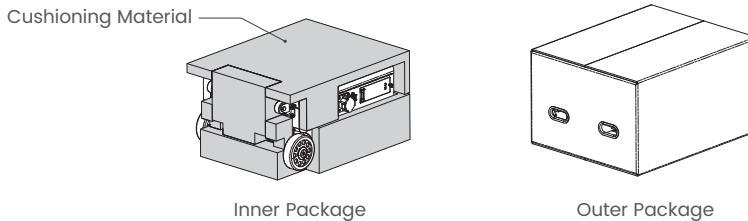
- 8 The output of this product can be used during AC charging, but the power of the devices connected to output should not exceed 1500W, otherwise it will cause excessive AC charging input power and damage the charging socket.



Packaging, Transportation and Storage

1. Packaging

There are product name, model, manufacturer's logo, inspection certificate from the manufacturer's quality department, manufacturing date, etc. on the box; There is a list of accessories inside the packaging box.



2. Transportation

Products should be transported in strong packing cases. The outside of the box should comply with relevant national standards and should be marked "Handle with Care" and "Moisture-proof". Container containing products are allowed to be transported by any means of transport. Direct rain, snow and mechanical impact should be avoided during transportation.

3. Storage

The product should be stored in the packaging box when not in use, the ambient temperature of the warehouse is 10~40°C, and the relative humidity is less than 80%. Harmful gases, flammable, explosive products and corrosive chemicals are not allowed in the warehouse, and there is no strong mechanical vibration, shock or strong magnetic field. The packaging box should be at least 20cm high from the ground and at least 50cm away from the wall, heat source, window or air inlet. The storage period under these conditions is generally 2 years, and the inspection should be carried out again after 2 years.

Note: When this product is stored for more than 3 months, the product should be activated once with a small current (0.1C) and charged to about 50% of the electricity; the temperature is 25±2°C, Relative humidity is 45%~85%, atmospheric pressure is 70kPa. ~106kPa, placed it in a dry, ventilated place, avoid contact with corrosive substances, and away from fire and heat sources.



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