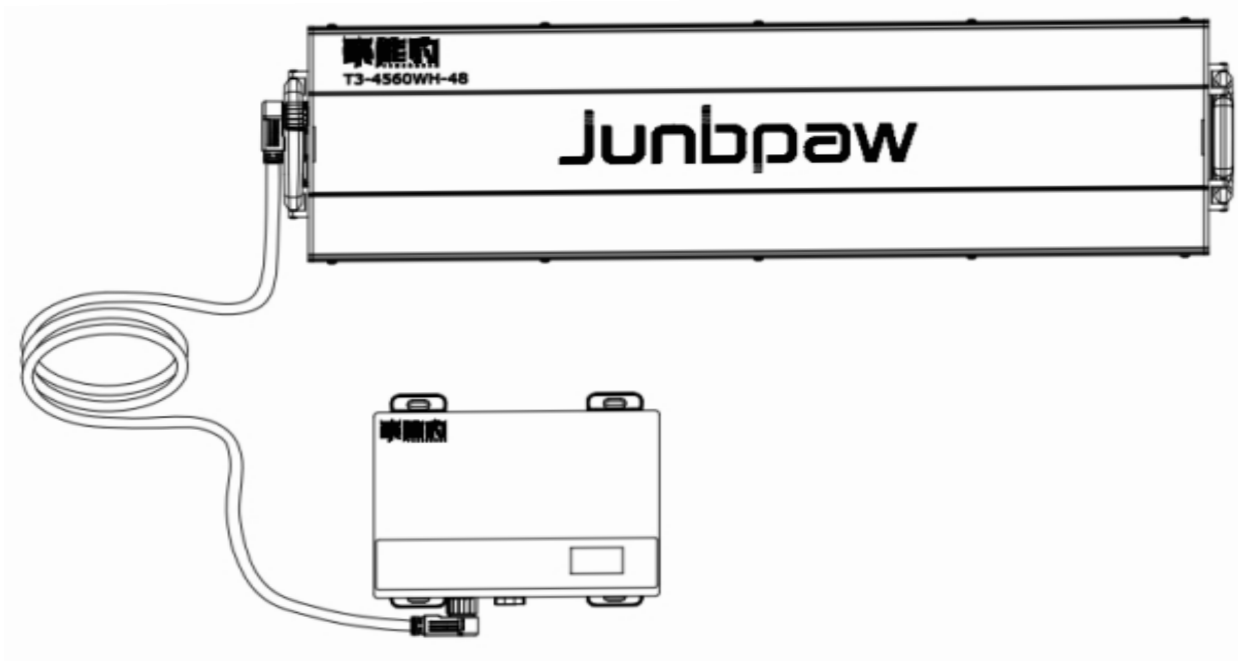


# Junbpaw

Complete Mobile Power Solution

## Brochure



# Disclaimer

Please read the introduction of this product before your operation.

If you operate this product incorrectly, you may cause serious injury to yourself or others, or cause product damage and property loss. Junbpaw is not responsible for losses caused by users not using the product in accordance with the "Brochure".

The company reserves the final right of interpretation of this user manual and all related documents of this product. Please visit the website for the latest product information: <https://www.jnbpower.com/>.

# Introduction

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Do you know how to seek freedom?

There is a reason we travel far beyond our limits.

Junbpaw gives us unwavering support to go beyond limits and seek freedom.

### Features:

\*Simplest and most compact design,more space for user.

\*Host Inverter:DC-DC Dual charger,  
MPPT controller and pure sine wave inverter all packed in one box.

\*Battery(T3-A4560):Adopt the battery of BYD,can be stackable to 14.5KWH.

\*Intelligent DC-DC dual charging with Auxiliary battery charging&Start battery backcharge to protect the auxiliary battery and Alternator.

\*Solar Charging: Automatically verify the PV voltage,efficiency over 99%.

\*Cooling:Intelligently control the fan speed according to the temperature and loads.

\*Easy to install,just Plug and Play.

## Product Appearance

### Discription of Ports and components

#### Host Machine ▶

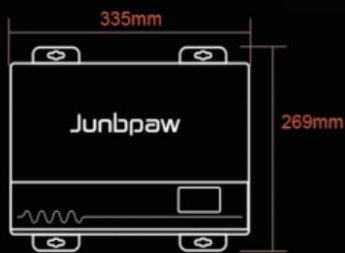
- Leisure battery-Anti Reverse port
- 48VDC air conditioner port
- The switch of connecting with car battery
- Car battery Power port-Anti Reverse port
- Double AC output sockets
- Anti-Vibration rubber pads



- Working display
- Inverter charging the car battery switch
- Heat dissipation port
- XT60-PV port
- RS485 port

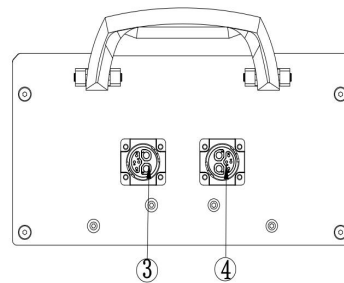
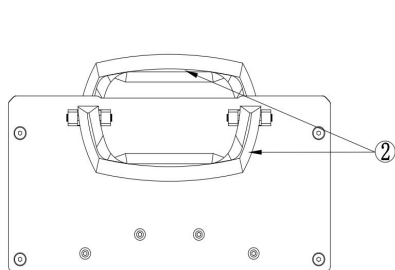
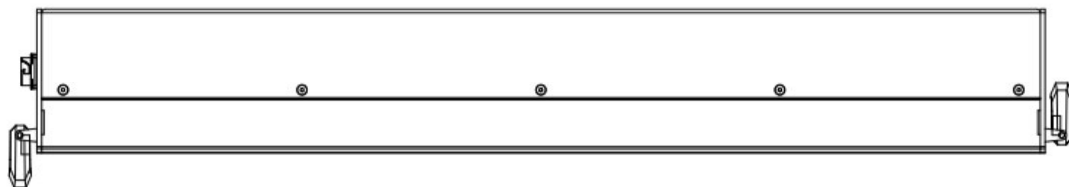
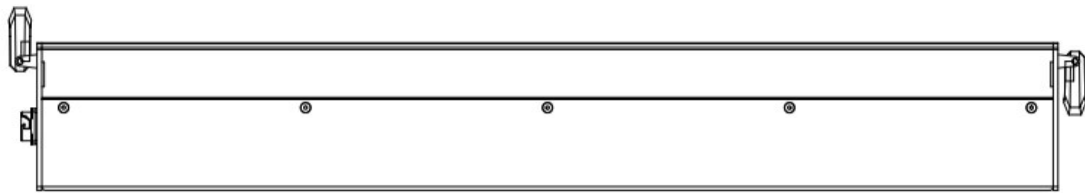
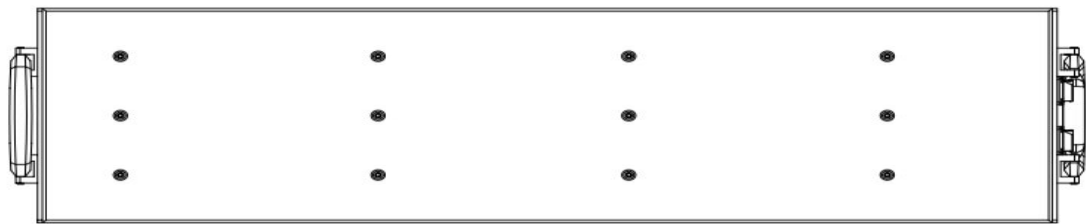
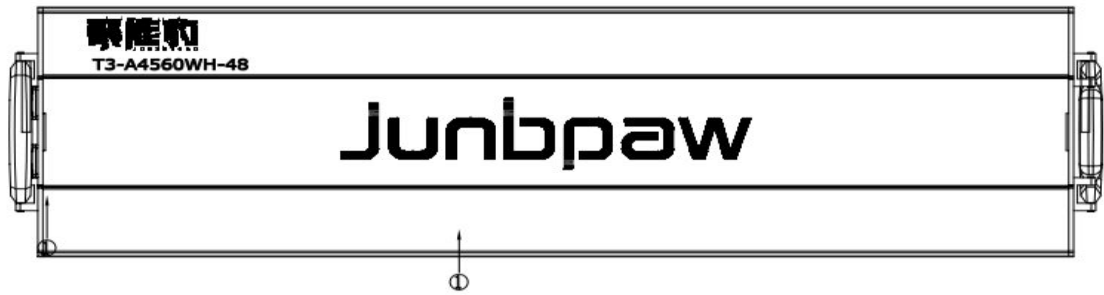


### T3 Information



**Inverter Weight** 6kg

**Battery Weight** 42kg



1 Battery (T3-A4560)

2 Handle

3 Battery connection port

4 Battery connection port

## Datasheet-T3 Host Inverter

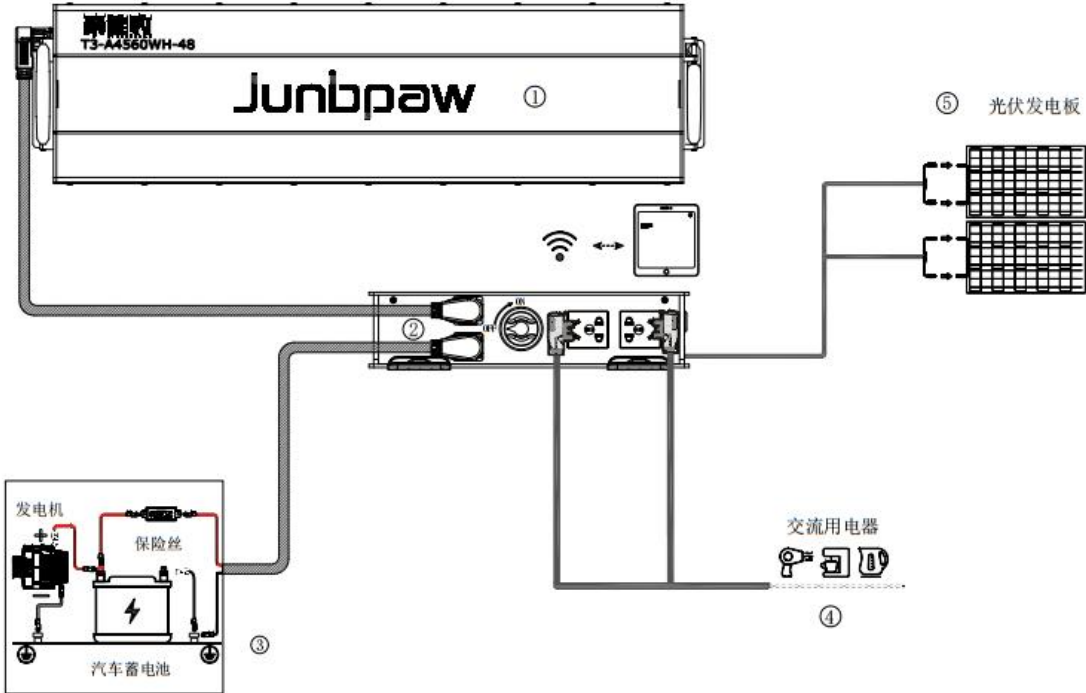
DC-AC	Rated Power	2500W
	Peak Power	> 5000W
	Upgrade Power	3000W
	AC Voltage	220Vac
	Frequency	50-60 Hz±0.5%
	Waveform	Pure sine wave
	THD	± 3%
DC Input	DC Voltage	44.8Vdc
	Voltage Range	38.0~55 .0VDC
	Load current	0.25A
	Efficiency (MAX)	92%
	Remote mode	≤ 0.8W
Protection	short circuit protection	AC output short circuit protection,3 seconds shutdown and lock, restart to recover.
	Overload protection	Output overload protection, AC output voltage is lower than 190V, turn off the output.
	Temperature protection	85°±5°
	Under voltage protection	38.0V±0.5VDC
	under voltage recover	44.0V±0.5VDC
	under voltage alarm	40.0V±0.5VDC
Charging	DC-DC charging	Power:600W
		Current:10A
	MPPT charging	Voltage:18V-100V
		Current:10A
		Boost charging
		buck charging
		Over voltage protection:when the voltage is higher than the rated voltage, the output is turned off.
Temperature protection: 85°±5°C		
automobile generator boost power	300W	
Environment	Working Temperature	- 20 °C~ +60 °C
	Humidity	MAX 90%RH
Dimension	weight	6KG
	size	335x 269.5x 81mm



## Datasheet-Battery

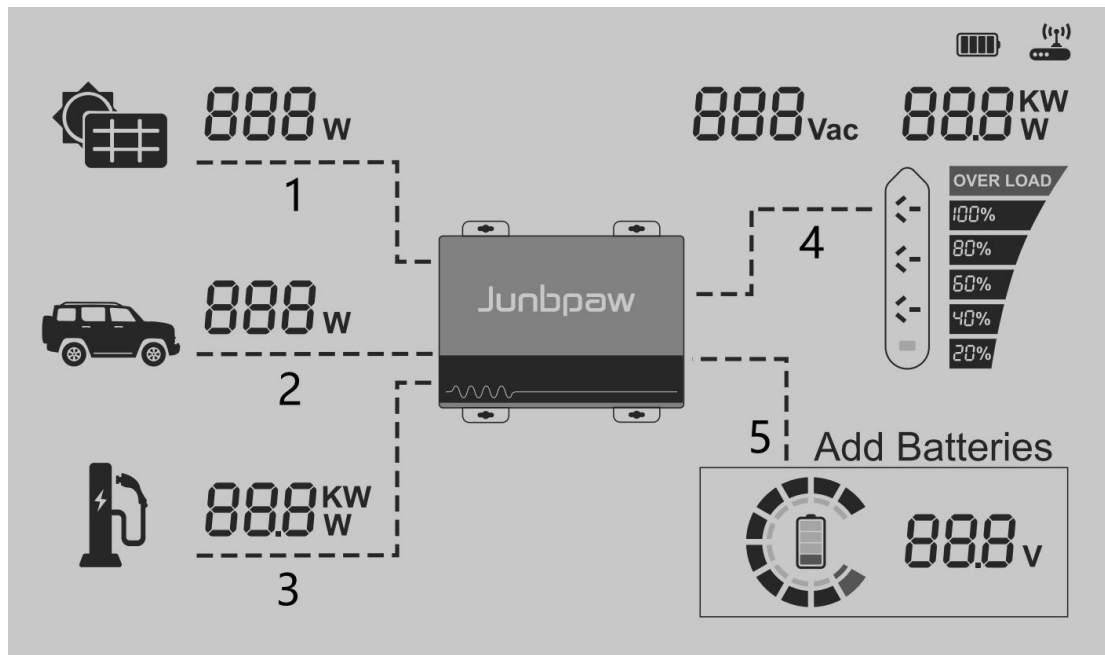
Weight	42kg
Dimension	899x 235x 120 mm
Capacity	102AH(4560Wh)
Voltage	44.8V
Max Charge voltage	52V
Min Discharge voltage	40V
Max charge current	60A
Max discharge current	100A
Material	Lithium iron phosphate battery
Working temperature	-20°C~50°C
Humidity	MAX 5%-90%RH

# How to Connect



- 1 Secondary battery (T3-A4560)
- 2 T3 Host Inverter
- 3 DC-DC charging
- 4 AC output
- 5 Solar charging

## Working display:



1 solar charging

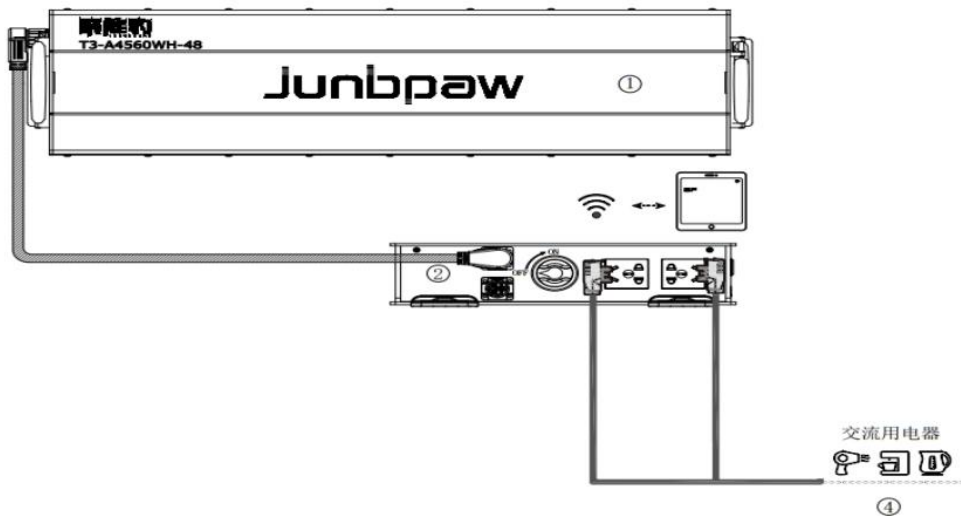
2 dc-dc charging

3 AC charging (not available)

4 AC output

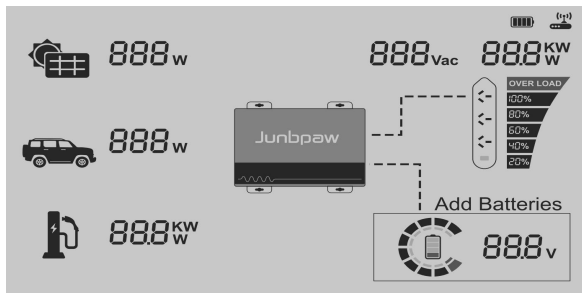
5 Battery (T3-A4560)

## 1.DC-AC Power Inverter function



As shown in the figure above: Connect the cables correctly,press the main power button for 2 seconds, the power turns on and the AC output starts.To turn off the AC output, short press the main power button for 2 seconds again.When detected the AC output with no loads within 6 hours,The system will automatically shut down.

### Function Display:

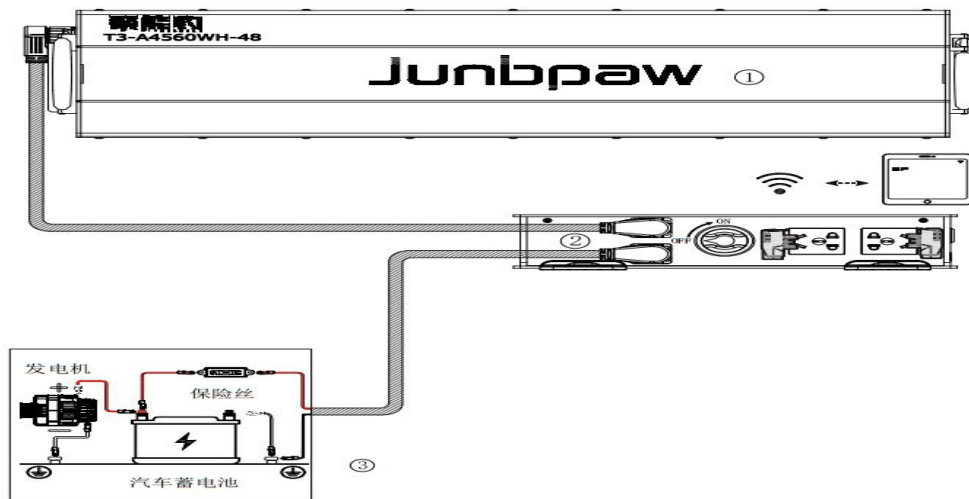


### Protection:

- 1.Overload protection:When AC output is 2500W and AC voltage is lower than 190V,the buzzer sounds continuous alarm with an interval of 1s.
- 2.Short circuit protection:when detected short circuit, 5 seconds shutdown and lock, buzzer sounds with an interval of 300ms.
- 3.Over temperature protection:  $85^{\circ} \pm 5^{\circ}$ , overheat protection buzzer alarms 5 times with an interval of 1 Hz.

4. Over voltage protection: buzzer sounds 4 times with an interval of 1 Hz.
5. Over voltage recovery: automatically lower the voltage to recover output, buzzer cancels 4 alarms.
6. Under voltage protection: buzzer sounds 3 alarms with an interval of 1Hz.
7. Under voltage recovery: When voltage rises and automatically recovers, buzzer sounds 3 times to cancel alarm.
8. Under voltage warning: The buzzer sounds twice with an interval of 1 Hz.

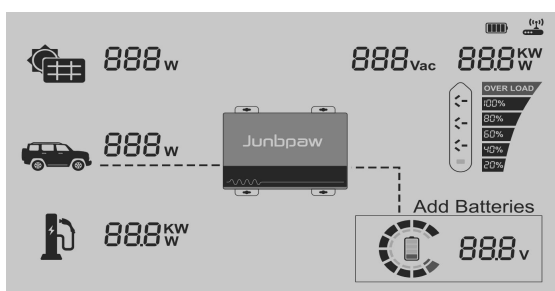
### Auxiliary battery charging & Start battery back charge



### Auxiliary battery charging

Connect the cables correctly as shown in the figure above. When the car runs, the car generator charges the auxiliary battery.

Function Display:

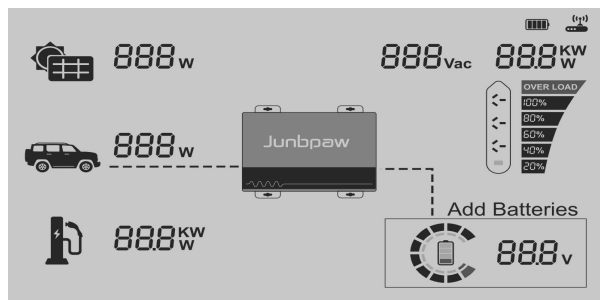


## Start battery back charge

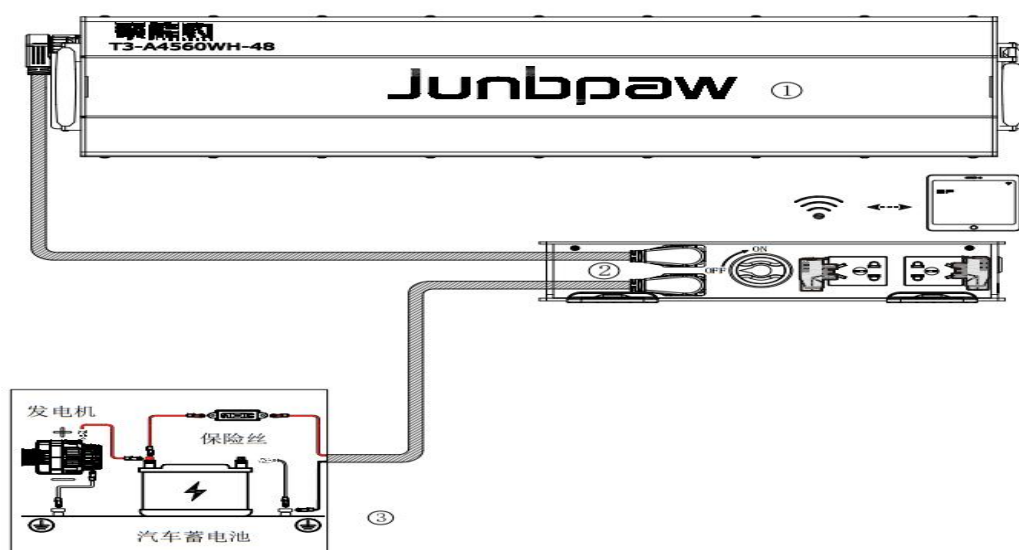
When the car is not started for a long time or parked, the car battery voltage will gradually decrease due to internal consumption. The system will charge the start battery to prevent the battery from over-discharging and unable to start again to extend the battery life.

Start battery back charge: Press the host switch 3 times to turn on charging. At this time, the power from the auxiliary battery to the start battery flows.

Function Display:

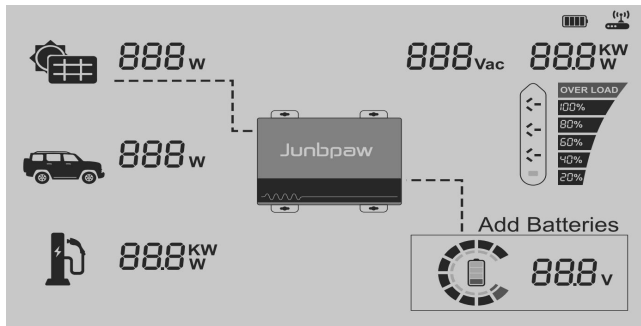


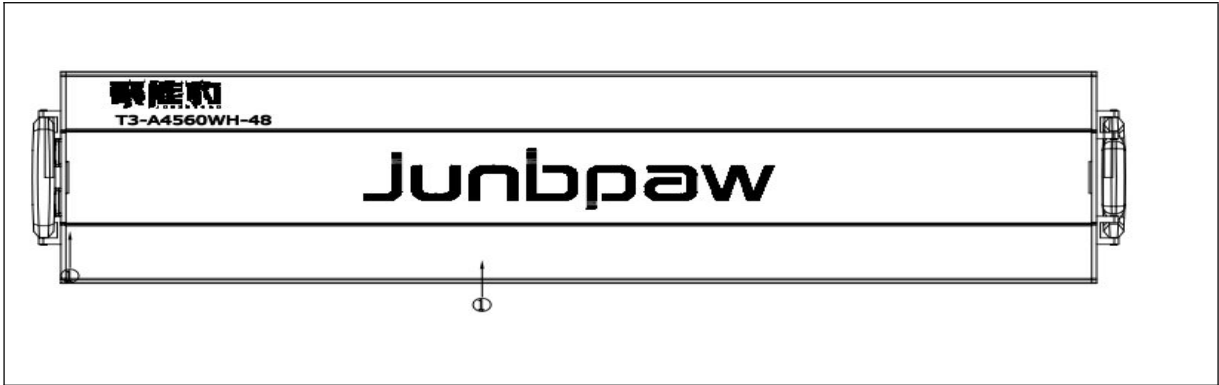
## Solar Charging



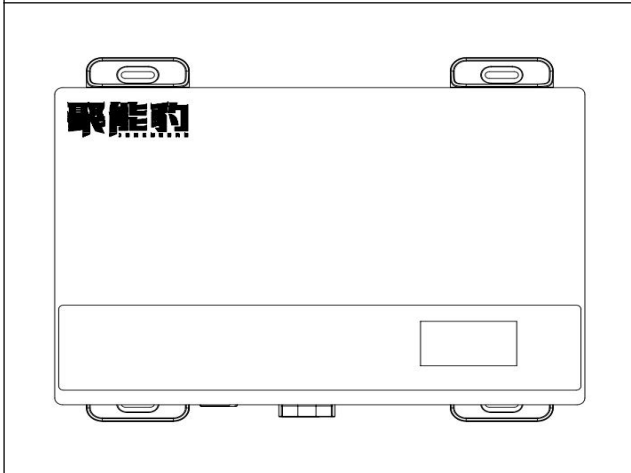
As shown in the picture: Correctly connect the PV input: XT60 port and place the PV panel under sufficient sunlight. The system will quickly verify the PV Input voltage for fast charging. Voltage range: 18-100v.

Function Display:

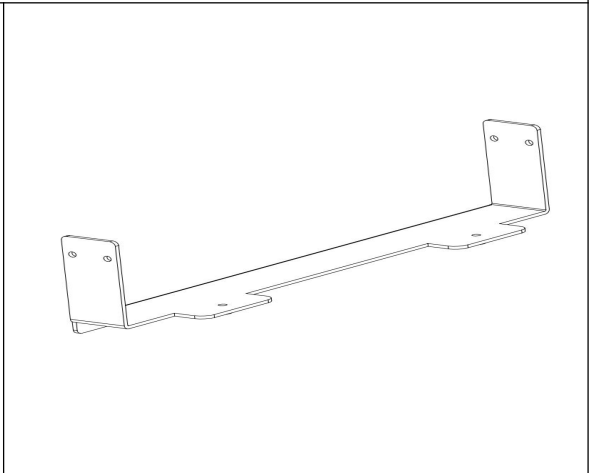




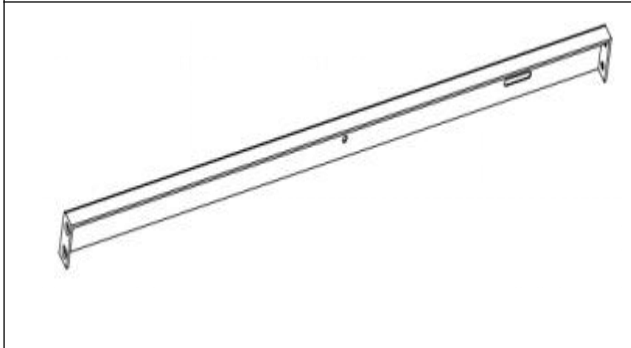
Battery T3-A4560\*1



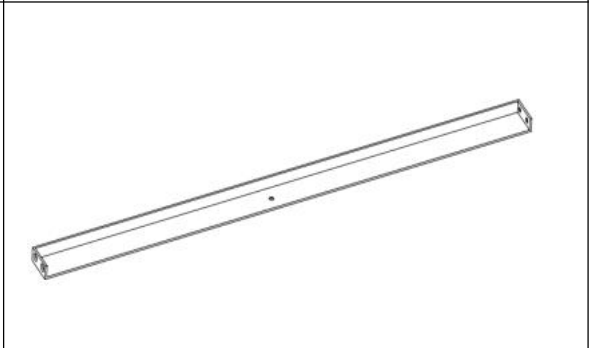
T3\*1



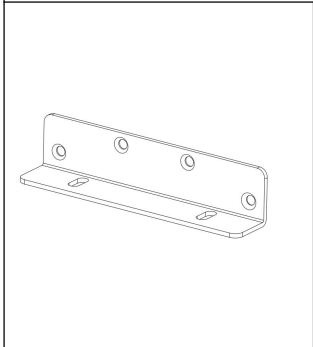
T3 Bracket\*2



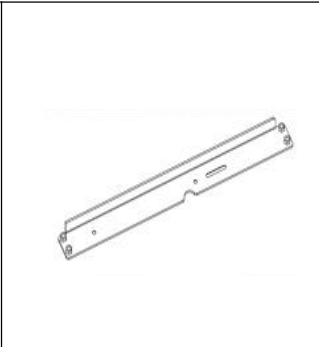
T3 Bracket (Front) \*1



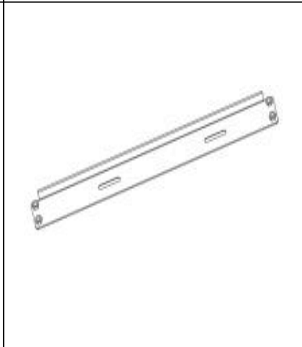
T3 Bracket (Behind) \*1



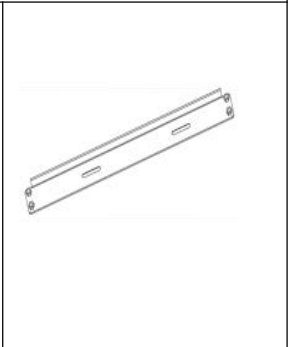
Battery T3-A4560  
bracket\*2



T3 Frame Bracket (Right)  
\*1












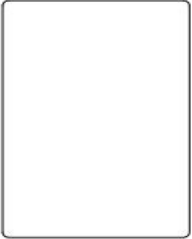



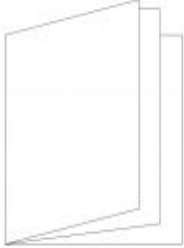
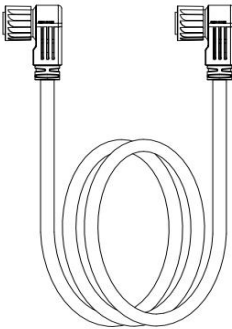
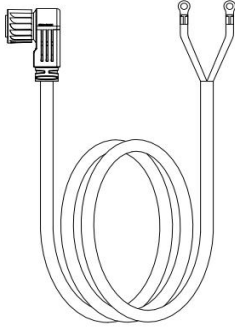


T3 Frame Bracket (Left)  
\*1



T3 Frame Bracket  
(Middle) \*1



			
T3 Frame Bracket A*1	T3 Frame Bracket B*1	T3 Frame Bracket C*1	T3 Frame Bracket D*1
			
M5 flange nut (16PCS)	M6 flange nut (6PCS)	M6 flange nut (6PCS)	M6 Elastic pad (6PCS)
			
Rubber pad 70*50 (4PCS)	Rubber pad 143*25 (2PCS)	Rubber pad 150*40 (3PCS)	Rubber pad 235*150 (3PCS)
			
M5*12 (4PCS)	M5*16 (16PCS)	M5*16 (10PCS)	User Manual*1
			
Battery connection Cable*1	Charging Cable*1		

# Installation List



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