

HiSOLO

Mobile Solar Trailer Tower

Assembly Manual

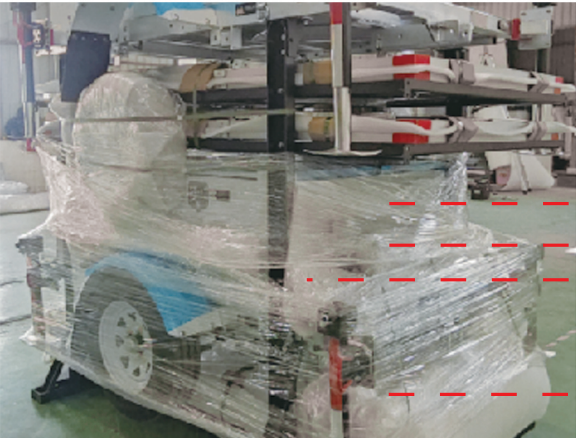


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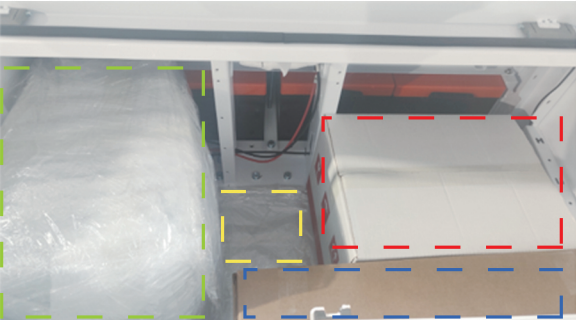
This assembly manual is to provide clear, step-by-step instructions for assembling HiSOLO solar trailer tower to make the assembly process as straightforward as possible.



- 1 Trailer Compartment
- 2 Solar panels
- 3 Tires
- 4 Rear compartment
- 5 Solar panel bracket poles
- 6 Telescopic Masts



- 7 U-shaped fixings
- 8 Jockey wheel
- 9 Draw bars
- 10 Axle



11 Mounting box



12 Billboard and compartment plates



13 Electric lifting motor for solar panel



• USB cable, used for solar panel angle adjusting PCB board maintenance if necessary in the future.



- 14 Spare part box



Note: This picture is for reference only. Please refer to the actual received goods for accuracy

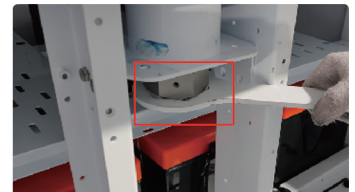
Tools required

- Hexagonal socket wrench
 - Alle key
 - Gear wrench
 - Hexagonal socket
 - Open end wrench
- These tools need to be prepared by yourself.



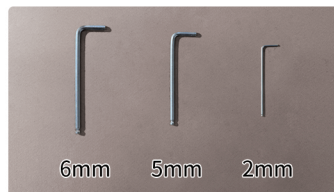
Hexagonal Socket Wrench

- Each container is only equipped with one.
- Specially designed for disassembling nuts under the support rod of solar panels.



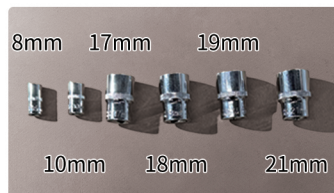
Allen key

- The specifications are:
6mm, 5mm, 2mm



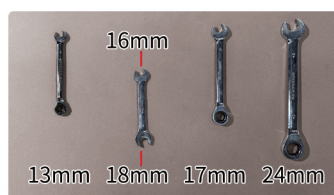
Hexagonal sleeve and Gear wrench

- The specifications are:
8mm, 10mm, 17mm, 18mm, 19mm, 21mm



Open end wrench

- The specifications are:
13mm, 16mm, 17mm, 18mm, 24mm



01/Assemble axle

- Place the axle under the trailer.
- Installation of leaf spring.
- Install U-shaped fasteners.
- Thread the brake cable into the car compartment through the bottom hole and connect it as shown in the diagram.

• Scan for operation video



Required accessories

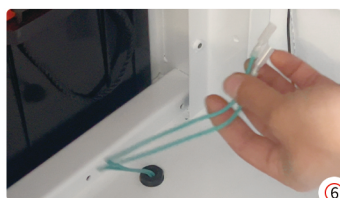
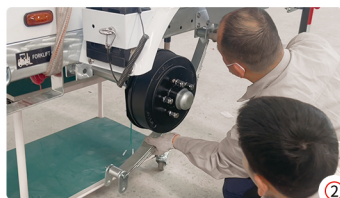
• 7 U-shaped fixation



• 9 Draw bars



• 10 Axle



02/Assemble tires

- Remove the nut that fixes the tire on the axle.
- Install the tire and secure the screws.

Required accessories

• 3 Tire



• Scan for operation video



03/Assemble solar panel bracket poles

- First, remove the nut under the solar panel bracket rod.
- Place the solar panel support rod vertically into the hole in the middle of the carriage.
- Install the nuts and screws as shown in the diagram.

Required accessories

• 5 Solar panel bracket poles



• Scan for operation video



04/Assemble solar panels

- Install the fixing buckle on the solar panel according to the diagram.
- Install the solar panel on the left side of the vehicle body.
- Install the solar panel lifting pole according to the diagram.
- Connect power cables and wires according to the diagram.
- Follow the diagram to thread the circuit through the middle of the solar panel support rod to the trunk and connect it.
- Install the fixing port on the right solar panel according to the diagram and install the right solar panel.
- First, fix the angle adjustment rod of the solar panel onto the solar panel support rod as shown in the diagram, and then connect and fix the other end to the right solar panel.
- Connect the power cables and wires to the right solar panel.

Required accessories

- 2 Solar panel



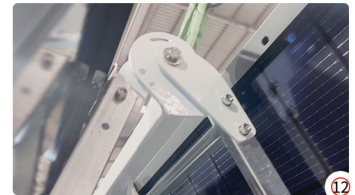
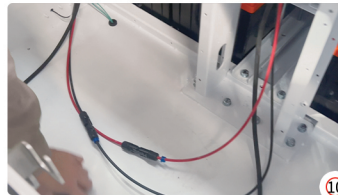
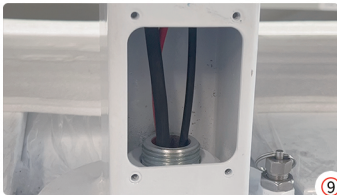
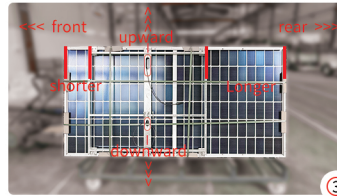
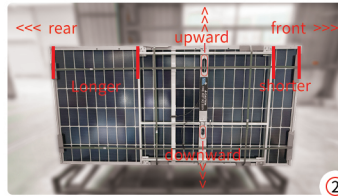
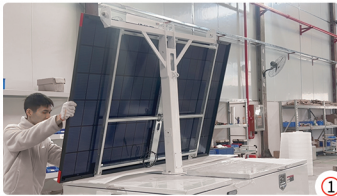
- 13 Electric lifting motor for solar panel



- 14 Solar Panel angle adjusting handle in spare parts box



- Scan for operation video



05/Assemble draw bar

- Remove the screws that fix the guide wheels on the frame.
- Install the guide wheel and fix the screws.
- Install the convenient fixing pin into the fixing hole behind the guide wheel.

Required accessories

- 8 Jockey wheel



- Scan for operation video



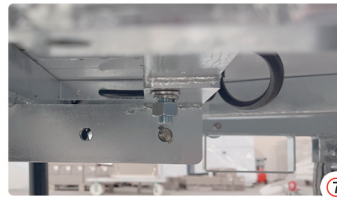
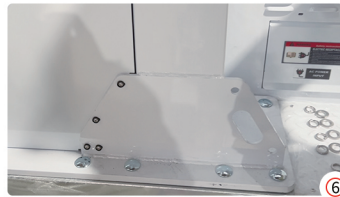
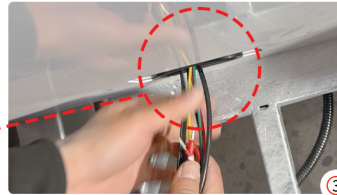
06/Assemble Telescopic mast

- According to the diagram, place the lifting rod on the frame and first thread the cable through the lower hole at the front end of the carriage into the carriage.
- Connect the cable of the lifting pole to the cable inside the carriage according to the diagram.
- Fix the lifting rod to the frame.

Required accessories

- 6 Telescopic mast

- Scan for operation video



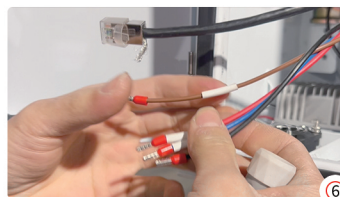
07/Assemble CCTV mounting box

- Place the mounting box on the lifting pole and install 3 fixing screws according to the diagram.
- Connect the cables on the lifting pole to the mounting box according to the diagram.
- You can use a flat head screwdriver to adjust it. Reset to 0 first, then select the desired degree to control the fan temperature inside the mounting box.

Required accessories

- 11 mounting box

- Scan for operation video



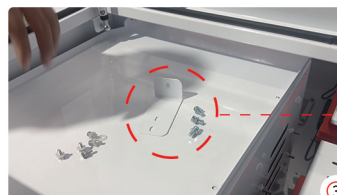
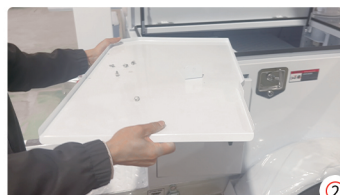
08/Assemble billboard and compartment plates

- After connecting the cables to the trunk, connect the two partitions as shown in the diagram
- After connecting the cables, install the partition according to the diagram.

Required accessories

- 12 Billboard and compartment plates

- Scan for operation video



01/Open box inspection

After the arrival of the new equipment, it is necessary to conduct an open box inspection to check whether the equipment has been damaged or lost during transportation, and to confirm whether the accessories, spare parts, special tools, and technical data are complete.

02/Preparation work before assembly

Before assembling the equipment, it is necessary to be familiar with the assembly drawings and technical requirements to ensure a full understanding of the structure, performance, and assembly sequence of the equipment. Check the quality of the parts, clean the surface of the parts of impurities such as oil, rust, and dust, and ensure that the parts meet the requirements. Prepare the corresponding tools and equipment, and perform necessary maintenance and upkeep.

03/Specific requirements during the assembly process

- **Parts inspection:**
The assembled parts must be accepted as qualified by the quality inspection department, and any non-conforming parts should be reported in a timely manner.
- **Environmental requirements:**
The assembly environment should be clean, without dust or other pollution, and parts should be stored in a dry and dust-free place.
- **Lubricant usage:**
When assembling parts that move relative to each other, lubricating oil (grease) should be added between the contact surfaces to ensure that there is no gap between the mating surfaces.
- **Bolt connection:**
When tightening bolts, adjustable wrenches should not be used, and no more than one identical washer should be used under each nut. The bolts should expose 1-2 threads of the nut.
- **Pin connection:**
The end face of the positioning pin should be slightly higher than the surface of the part, and the tail of the split pin should be separated by 60° - 90° after being installed into the relevant part.

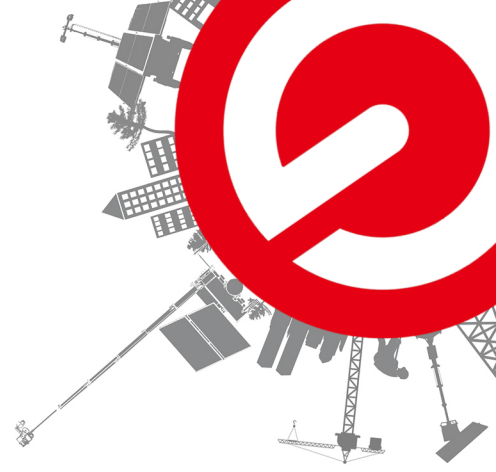
04/Safety measures and environmental protection

- **Personal protective equipment:**
Wear personal protective equipment such as safety helmets, protective goggles, dust masks, etc. to prevent accidental injuries.
- **Risk assessment:**
Conduct a risk assessment before the assignment, identify potential hazards, and take preventive measures.
- **Electrical safety:**
Electrical equipment installation must be carried out by professional electricians and comply with electrical safety regulations.
- **Waste disposal:**
Properly dispose of waste and comply with environmental regulations.

05/Inspection and maintenance after assembly

After assembly, conduct a comprehensive cleaning to remove debris and prevent foreign objects from entering the equipment. Regularly conduct equipment performance testing and maintenance to ensure that the equipment is always in good condition.





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