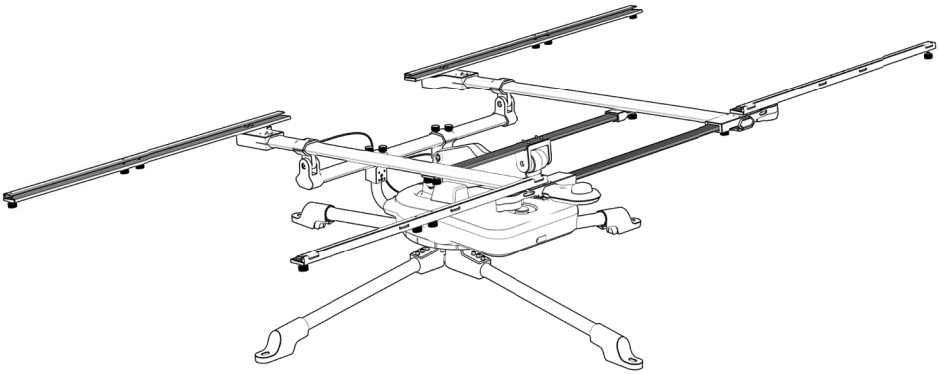
ECOFLOW

EcoFlow Solar Tracker | User Manual



DISCLAIMER

Read all safety tips, warning messages, terms of use, and disclaimers carefully. Refer to the terms of use and disclaimer at **https://ecoflow.com/pages/terms-of-use** and stickers on the product before use. Users take full responsibility for all usage and operations. Familiarize yourself with the related regulations in your area. You are solely responsible for being aware of all relevant regulations and using EcoFlow products in a way that is compliant.

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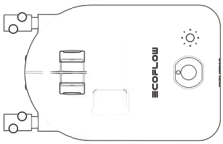
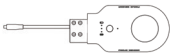
1. Assembly Instructions

1.1 What's in the box



CONTROL MODULE



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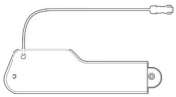
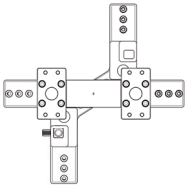


MOTORIZED LEVER ARM

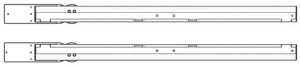
L-FEMALE



L-MALE

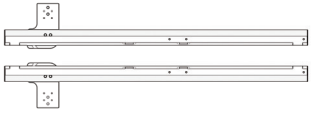
B-LEFT B-RIGHT

A1-MIDDLE



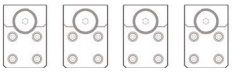
A1-LEFT A1-RIGHT

A2

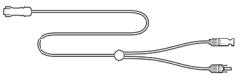


A3-LEFT A3-RIGHT

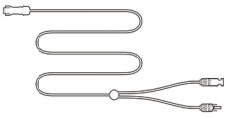
A4



A5



SOLAR CHARGING CABLE FOR SOLAR PANEL (0.92ft)



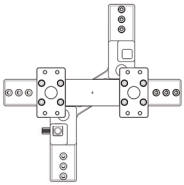
SOLAR CHARGING CABLE FOR ECOFLOW UNITS (9.84ft)

1.2 Installation

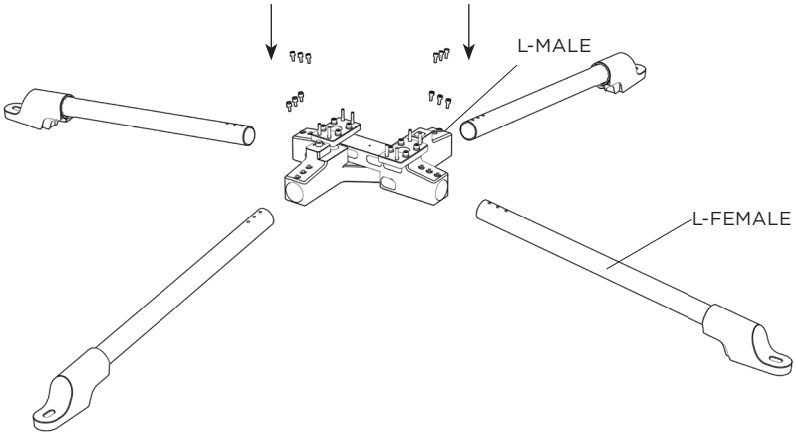
1.2.1 Solar Tracker Installation

❶

L-FEMALE



L-MALE



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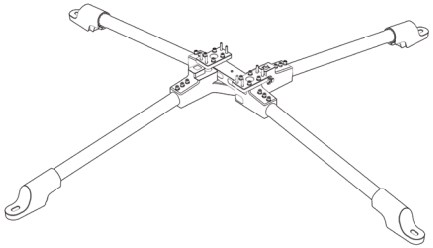
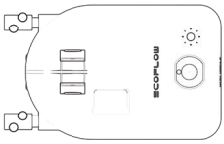
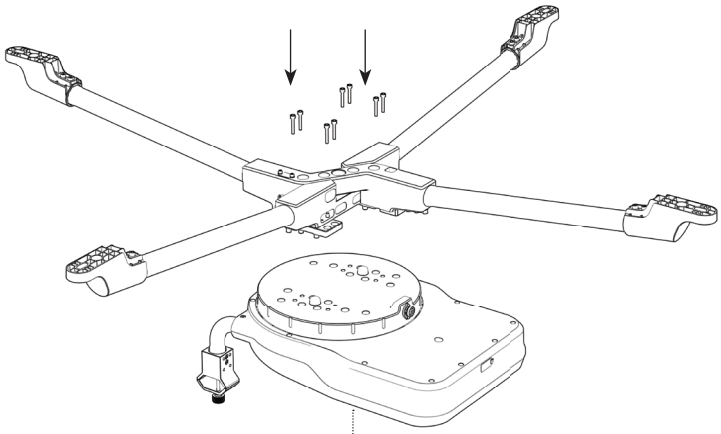




CONTROL MODULE

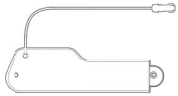


CONTROL MODULE

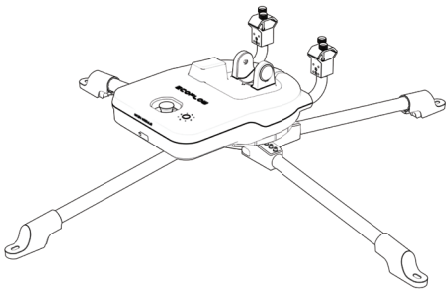
❸

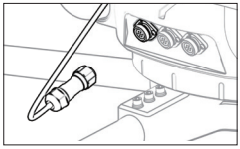
A4

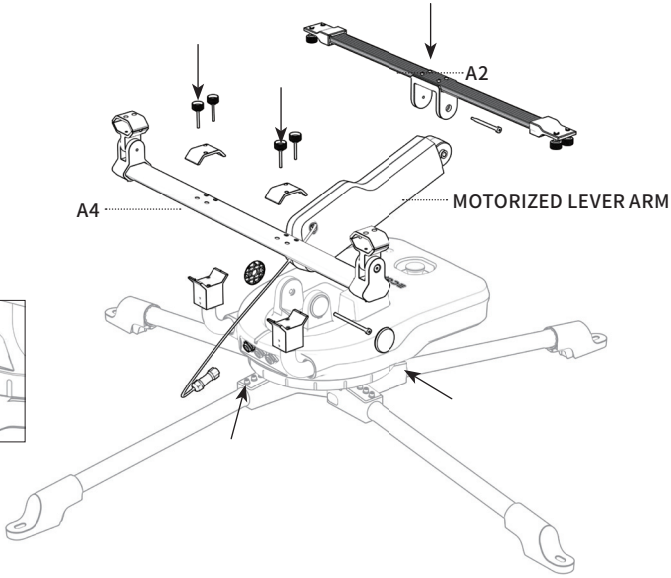
A2



MOTORIZED LEVER ARM







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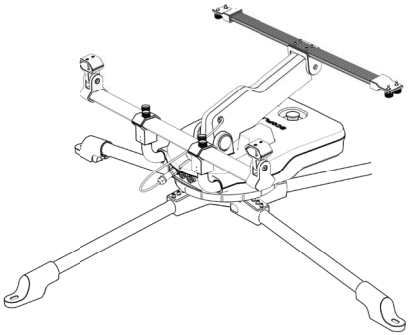
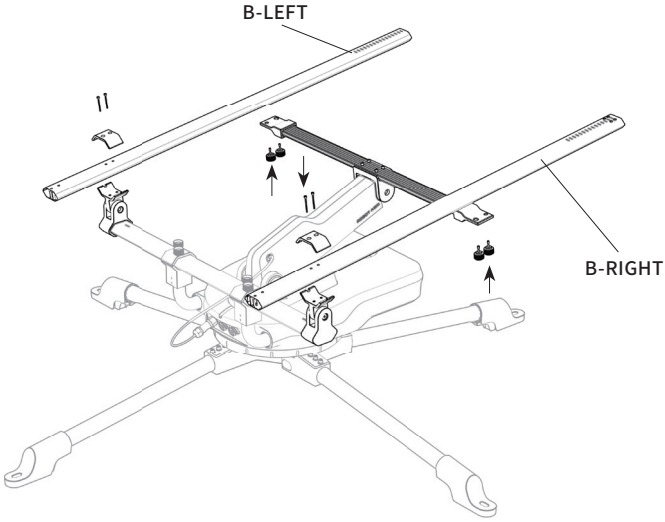


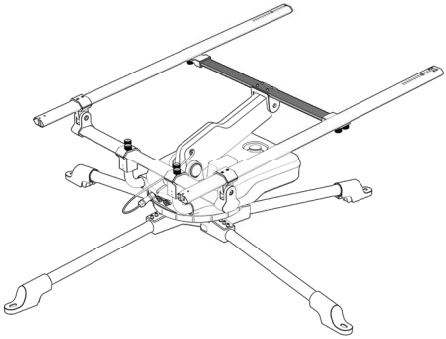
B-LEFT B-RIGHT

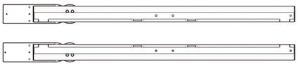


1.2.2 Using foldable solar panels

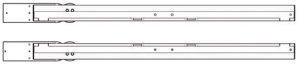
*If you plan to use foldable solar panels, please continue with step 5 to 7 to finish installation.

❺

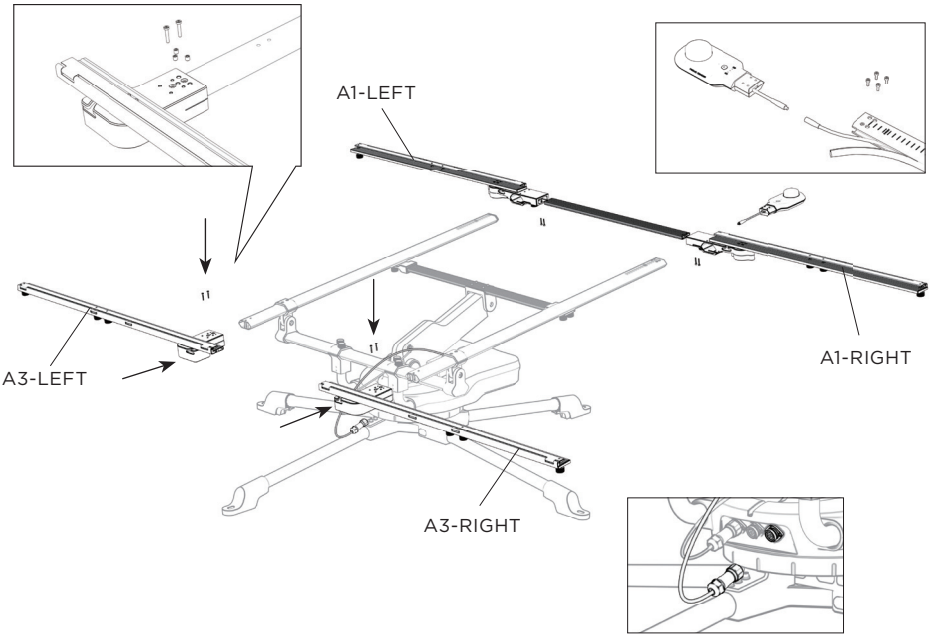




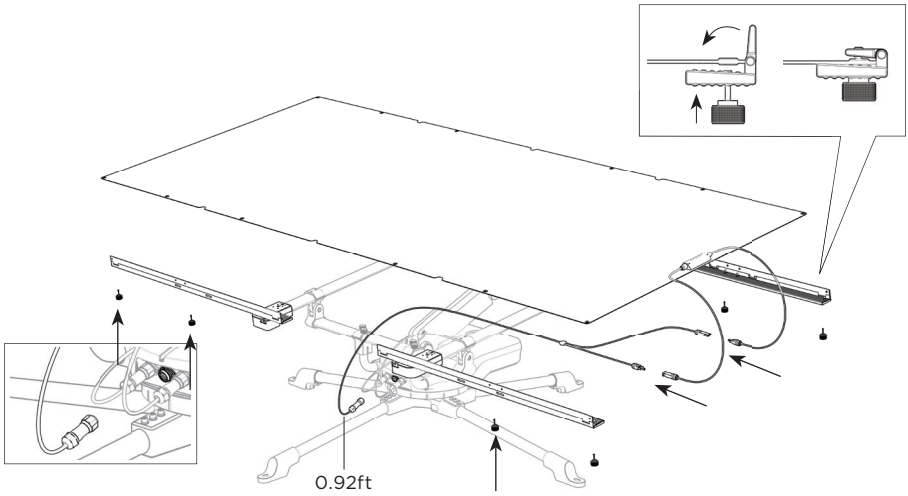
A1-LEFT A1-RIGHT



A3-LEFT A3-RIGHT



❻ Attach the foldable solar panel.



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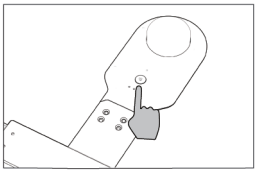
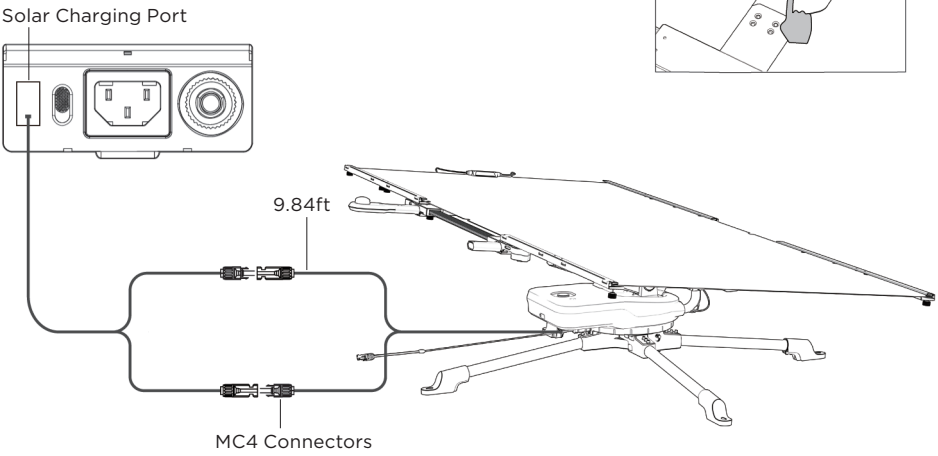




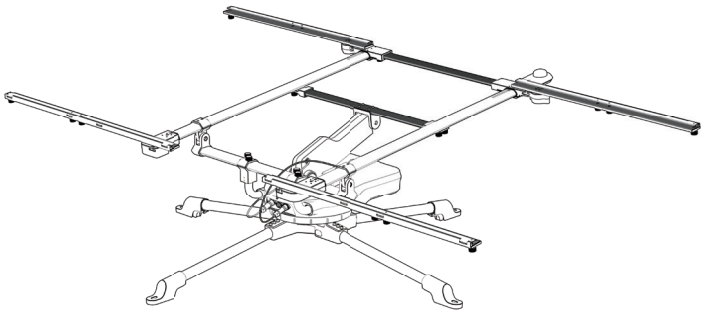
NOTE

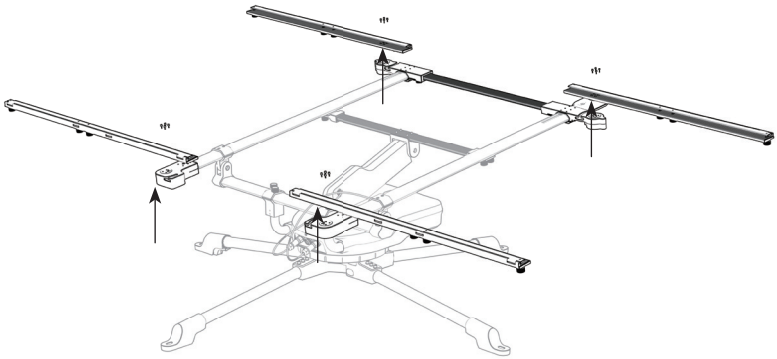
Long press the power button. The indicator light will turn on. The solar tracker will begin rotating according to the lighting conditions.

1.2.3 Using rigid solar panels

*If you plan to use the rigid solar panels, please continue with step 8 to 11 to detach the folding bars and finish installation.

❽





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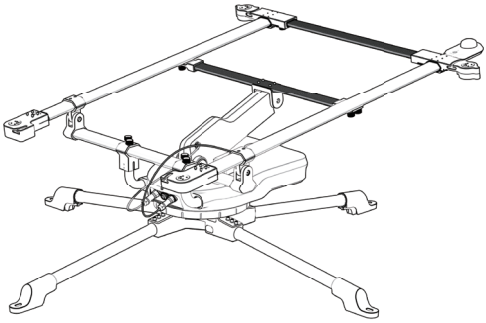

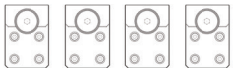

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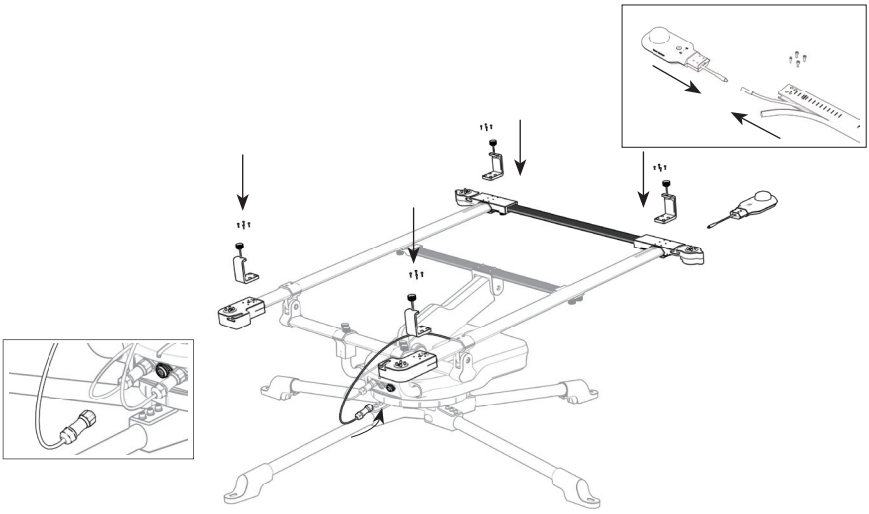

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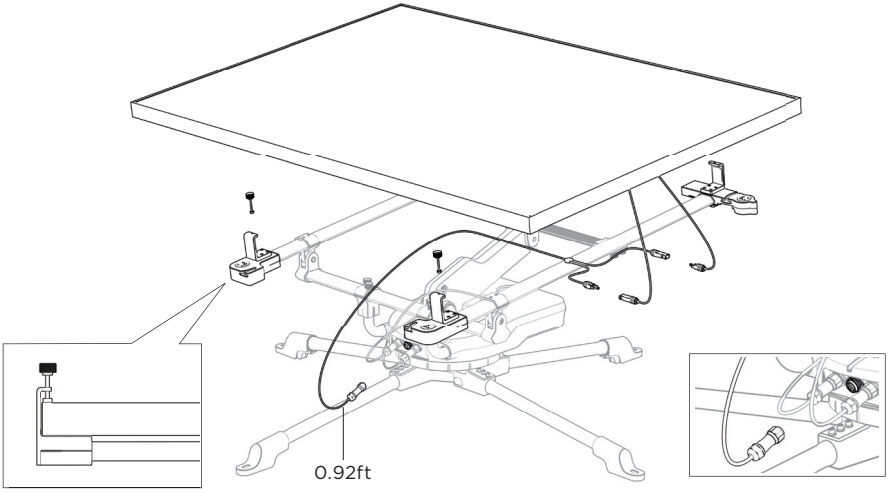

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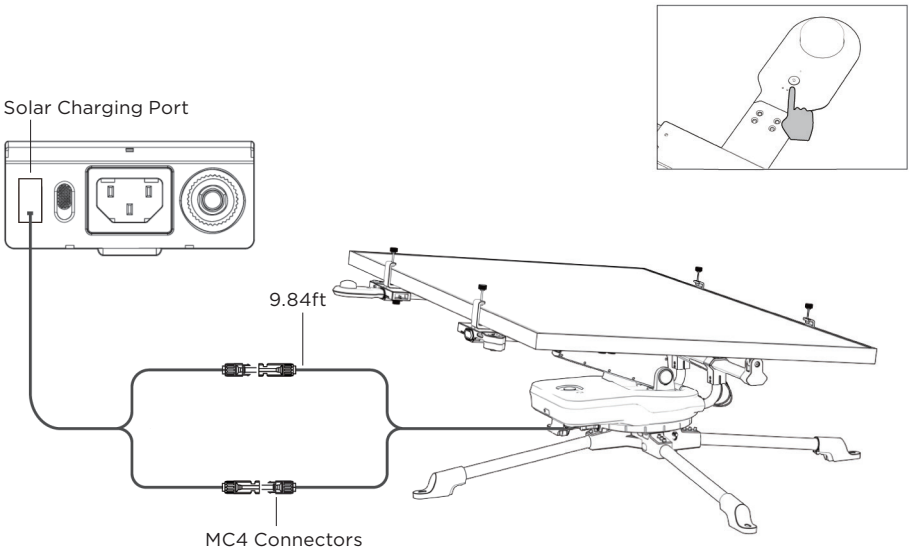
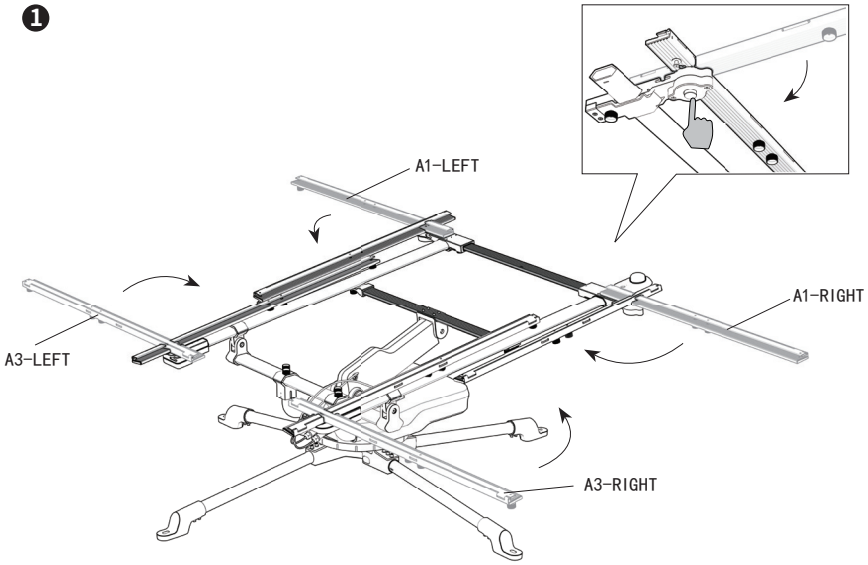


NOTE

Long press the power button; The indicator light will turn on. The solar tracker will begin rotating according to the lighting conditions.

1.3 Disassembly

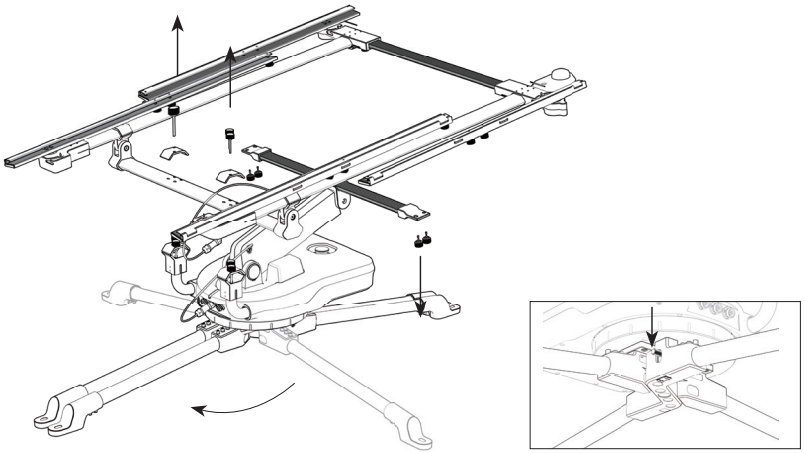
❶



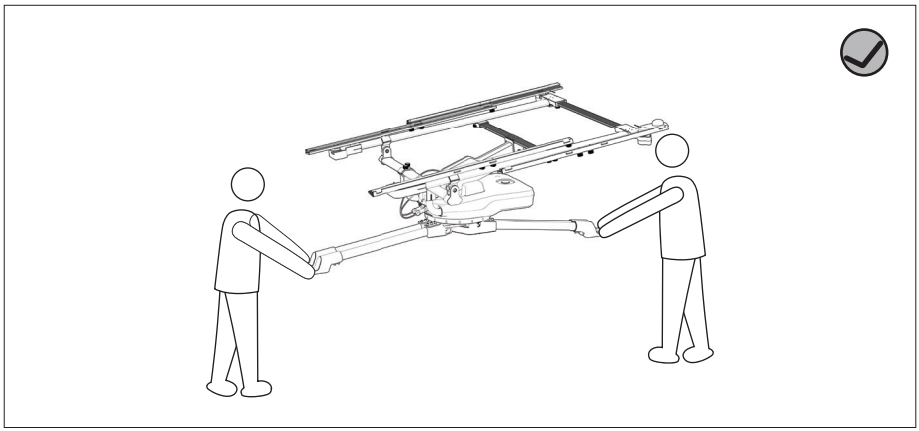
NOTE

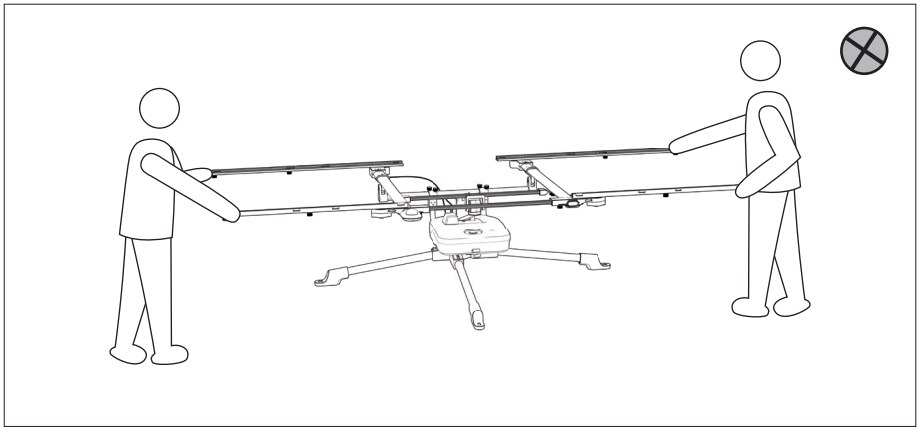
Please fold A3-LEFT and A3-RIGHT first, and then fold A1-LEFT and A1-RIGHT.

❷ Detach the control module from the base stand. Fold the legs of the base.



1.4 Transportation





1.5 Using The Solar Tracker

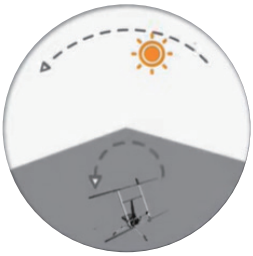
1.5.1 Positioning the Solar Tracker

The Solar Tracker can rotate 345° therefore it has a 15° blind spot. That means if you're in the northern hemisphere, you should position the front of the solar tracker to the east with a slight northern tilt. If you're in the southern hemisphere, you should position the front of the solar tracker to the east with a slight southern tilt.

N

Northern hemisphere

S



Southern hemisphere

NOTE

Please place the compass flat when positioning the Solar Tracker or use the compass on your phone to guide the direction.

1.5.2 Turning on and off

Turn on the tracker by pressing the power button for 3 seconds. A long beep indicates that it is powered on.
Turn off the tracker by pressing the power button for 3 seconds. A long beep indicates that it is powered off. The stand will rotate back to its starting position, and then shut down automatically.

NOTE

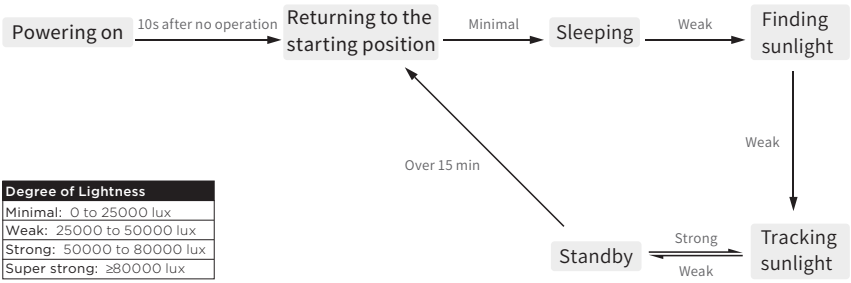
Please note that the Solar Tracker won't be powered off if the solar panel is still connected and getting solar power.

1.5.3 Emergency stop button

The emergency stop button is the red button located on the top of the control module. Pressing it will stop the motor immediately and you will hear the beep sound.

1.5.4 Operation Modes

❶ Mode changes



Degree of Lightness
Minimal: 0 to 25000 lux
Weak: 25000 to 50000 lux
Strong: 50000 to 80000 lux
Super strong: ≥80000 lux

❷ Sound indicator

Power on: Beeps (increasing speed) for 10 seconds
Return to starting position: Beeps once per second
Sleeping mode: Quiet
Searching for light: Beeps once per second
Standby: Quiet
Low light: Quiet
Strong light: Quiet
Manual: Beeps once per second
Shut down: Long beep, then beeps once per second
Emergency stop: Beeps five times per second

2. Specifications

2.1 Specifications

Weight	25KG
Load capacity	25KG
Pitch axis range	0–85°
Yaw axis range	0–345°
Size	2.5 × 1.5 × 1.5m (Minimum 2.5 × 1.1 ×1.1m)
APP	Supported
Built-in battery capacity	5000mAh
Waterproof	IP54
Wind resistance	6 Strong Breeze

2.2 Built-in battery*

Battery chemistry	NCM
Shelf life	1 year(after full charge)
Lifespan	500 cycles to 80% capacity
Operating temperature	-10°C~40°C (optimal: 25°C)

*The built-in battery can be recharged from solar power. If the Solar Tracker is not in use for a long time, you can recharge the unit from the USB-C port (5 to 20V, 1A) port at the back of the Control Module.

3. Precautions

- **Do not** let the tracker become submerged.
- It is recommended that the tracker be stored when the wind force exceeds 6.
- **Do not** leave the tracker outside for wind forces over 8.
- **Do not** let children under 12 operate the tracker alone, and inform them about the emergency stop button.
- **Do not** place heavy objects other than solar panels on the tracker.
- **Do not** carry the tracker while it is in use.

4. Light Indicators

4.1 Power Status Indicator

Power on: Fast flashing (flash for 0.1s every 0.2s)

Working: Slow flashing (flash for 1s every 0.5s)

Sleep: Always on

NOTE

Please note that the Solar Tracker won't be powered off if the solar panel is still connected and getting solar power. The light indicator will keep short flashing (flash for 1s every 0.1s).

4.2 Battery Level Indicator

Battery level	LED1	LED2	LED3
0	○	○	◑
0~25%	○	○	◑
25~40%	○	○	●
40~55%	○	◑	●
55~70%	○	●	●
70~85%	◑	●	●
>85%	●	●	●

NOTE

Light indicator status: ○ Off ◑ Flashing ● On

5. Maintenance

If the Solar Tracker has not been used for a long time, please recharge the battery to 30-50% every 3 months. You can check the battery level from the power status indicator or on the App.