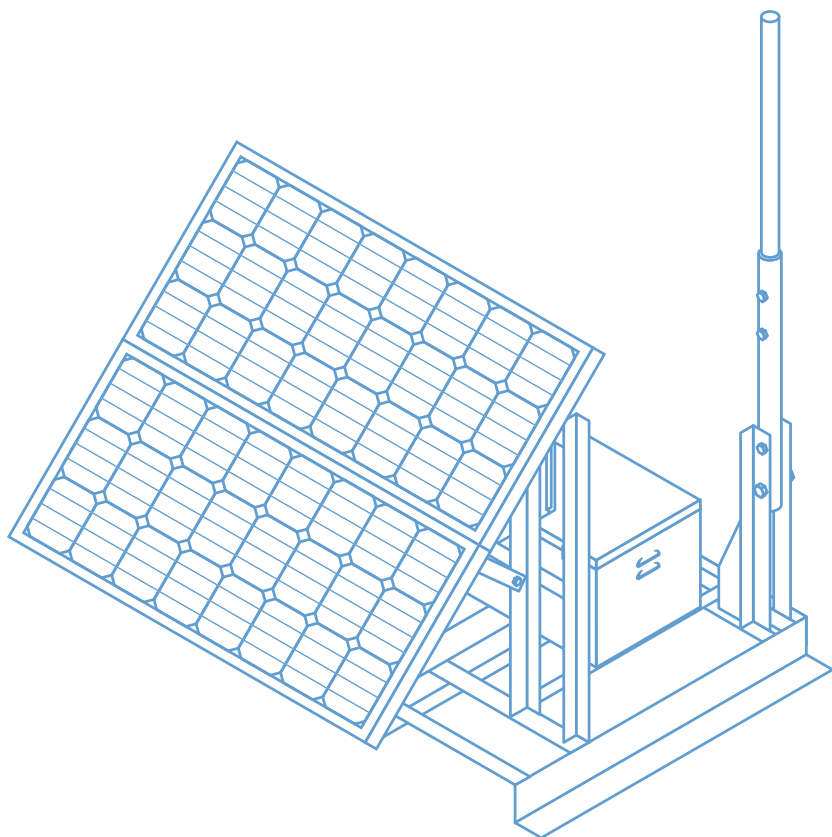


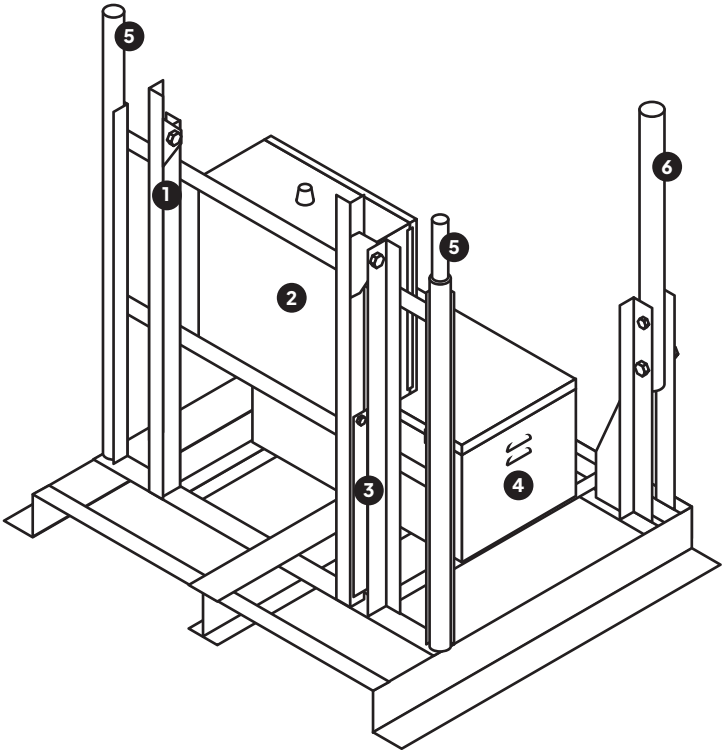
# Solar Skid

## Installation Manual



# Pre-Assembled Unit

---



1. Solar panel mounting frame
2. Control box
3. Positioning bar
4. Battery box
5. Galvanized mounting poles
6. Pole mount

# Unlimited Support

---

If you have any questions or issues with your TrueLook system, please don't hesitate to contact our Customer Support team.

**Phone** 833-878-3566 (Option 2)

**Email** [support@truelook.com](mailto:support@truelook.com)

You can also submit a support request online at:  
[support.truelook.com/contact-support](https://support.truelook.com/contact-support)

# Online Resources

---

Scan this QR code or visit [truelook.com/install](https://truelook.com/install) to access:

- ✓ A guide to administrative settings and time-lapse setup.
- ✓ Video demonstrations of installation procedures.
- ✓ Digital versions of all installation manuals.
- ✓ And more!



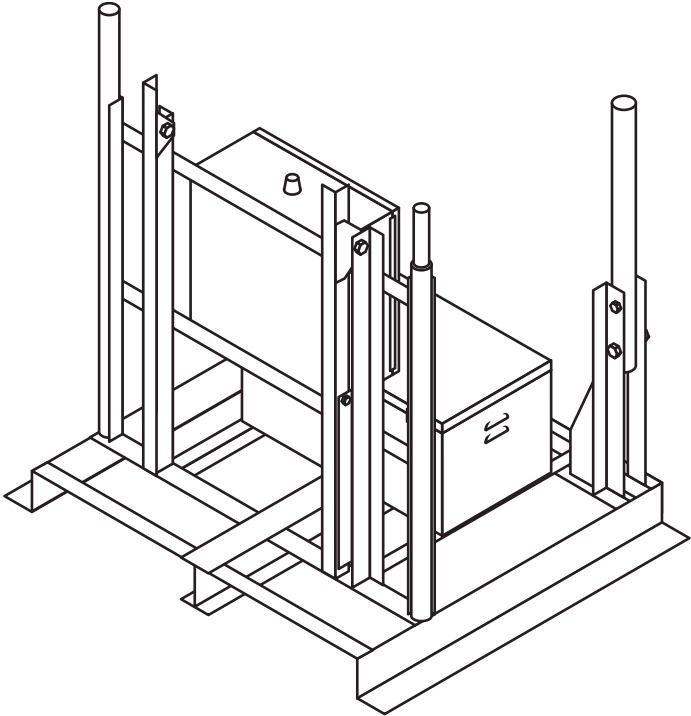
For Terms & Conditions, as well as Warranty information, visit:  
[truelook.com/terms-conditions](https://truelook.com/terms-conditions).

# Hardware Packing List

---

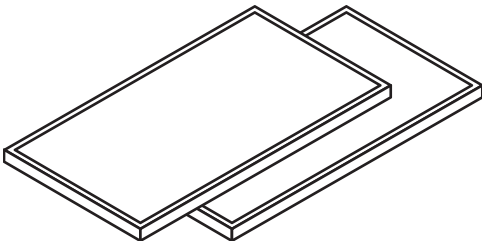
Solar Skid [1x]

---



Solar Panels [2x]

---



### Solar Panel Hardware

---

7/16" Bolts [8x]



7/16" Nuts [8x]



Flat Washers [16x]



Lock Washers [8x]



### Galvanized Pole Hardware

---

3/4" Bolts [4x]



3/4" Nuts [4x]

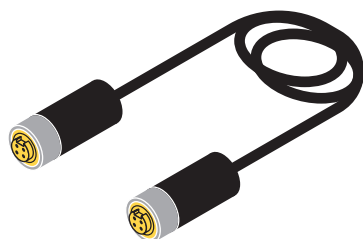


Flat Washers [4x]



### 20' Load Connector [1x]

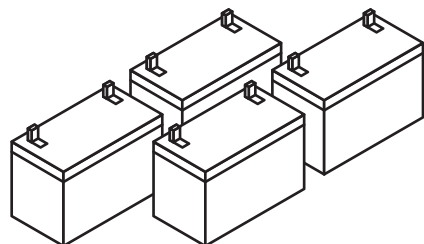
---



### Batteries [4x]

---

Batteries come installed and pre-wired in battery box.



# Positioning Solar Skid

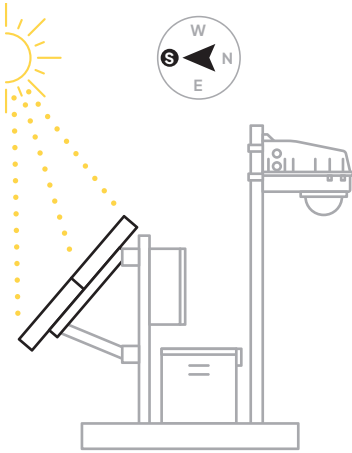
---

Failure to observe all following requirements may result in system downtime. Units self-recover automatically once panels receive sufficient sunlight.

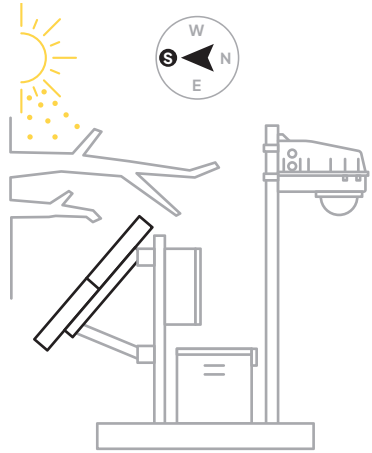
- ✔ Face panels **due south**. Position solar panels to face the equator in order to capture adequate sunlight.
- ✔ Ensure panels remain **unobstructed**. Panels must receive direct sunlight all day. Do not let trees, dirt, structures, or anything else block the sun.

Review **Solar Panel Positioning Chart** (following page) for correct and incorrect panel placements.

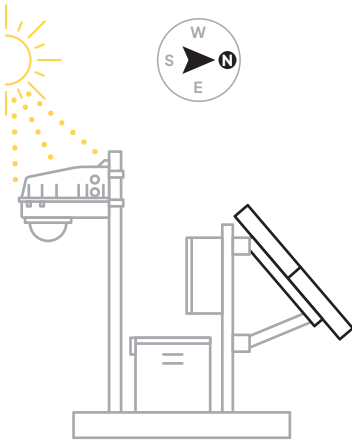
# Solar Panel Positioning Chart



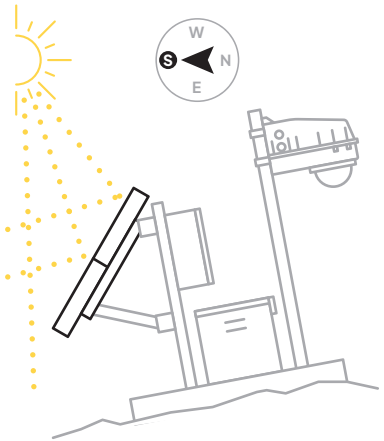
Correct



Obstructed



Wrong Orientation

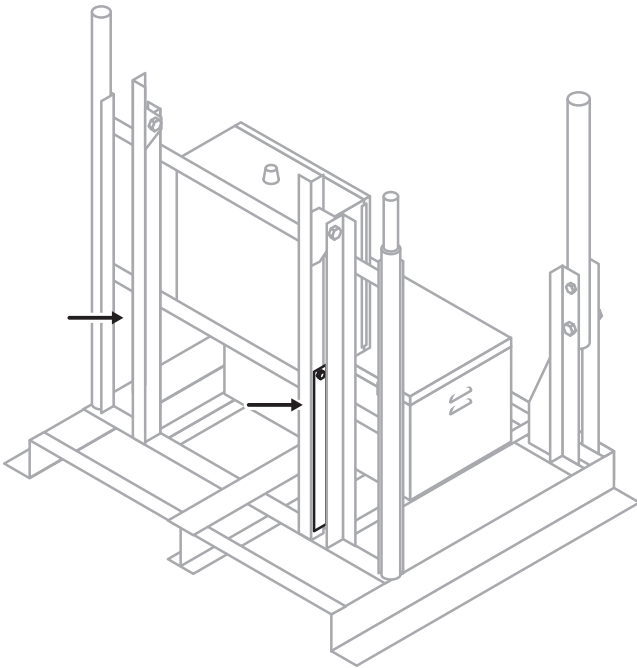


Wrong Angle

## Solar Skid and Mast

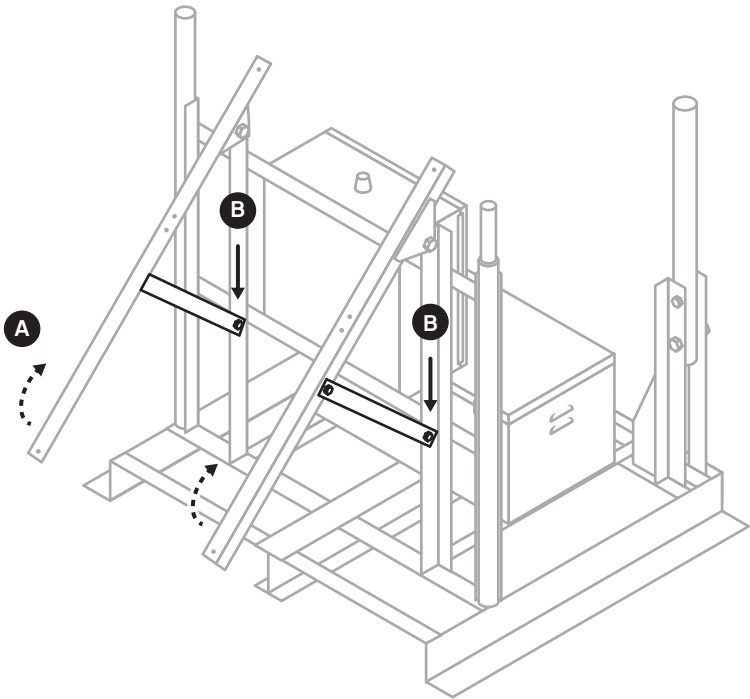
If forklift transportation is needed, lift the skid from the side opposite the solar panels.

**Step 1** Remove the fasteners securing the ends of the solar panel position bars. Do not discard fasteners as they will be reused.





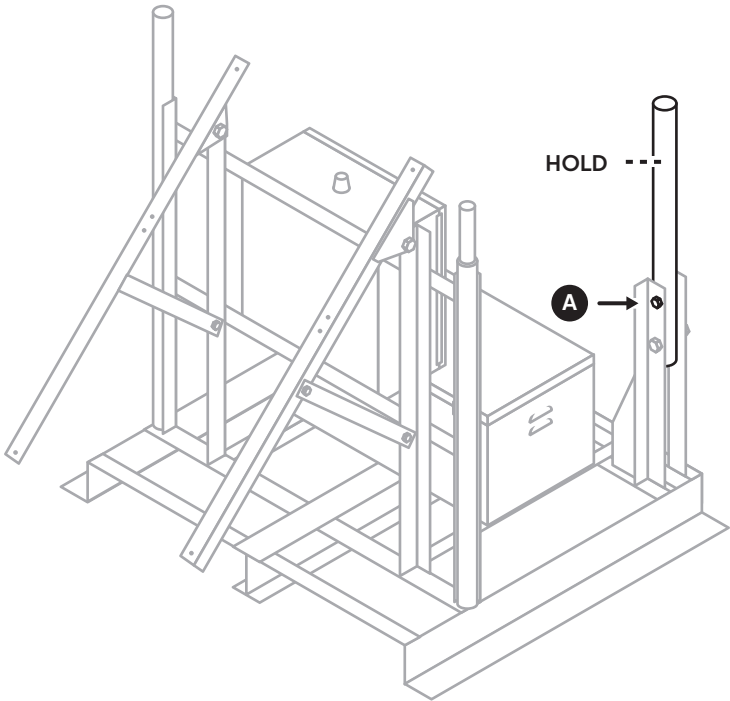
**Step 2** Tilt the solar panel mounting frame so the positioning bar holes align with the corresponding holes on the skid frame (A). Then, reinstall the fasteners in this position (B).



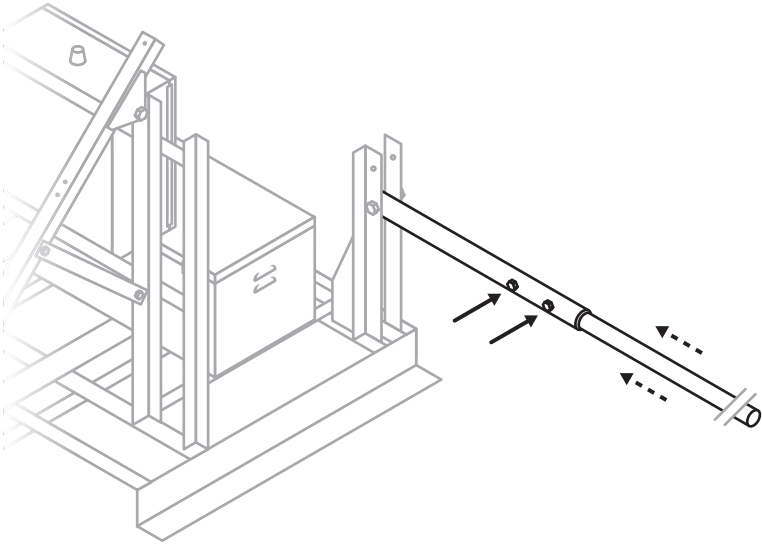
# Installation

**Warning:** Safely installing the mast requires at least two people. Do not attempt installation alone.

**Step 3** Support the vertical pole mount while removing the upper fastener (1/2" hardware) on the pole mount (A).

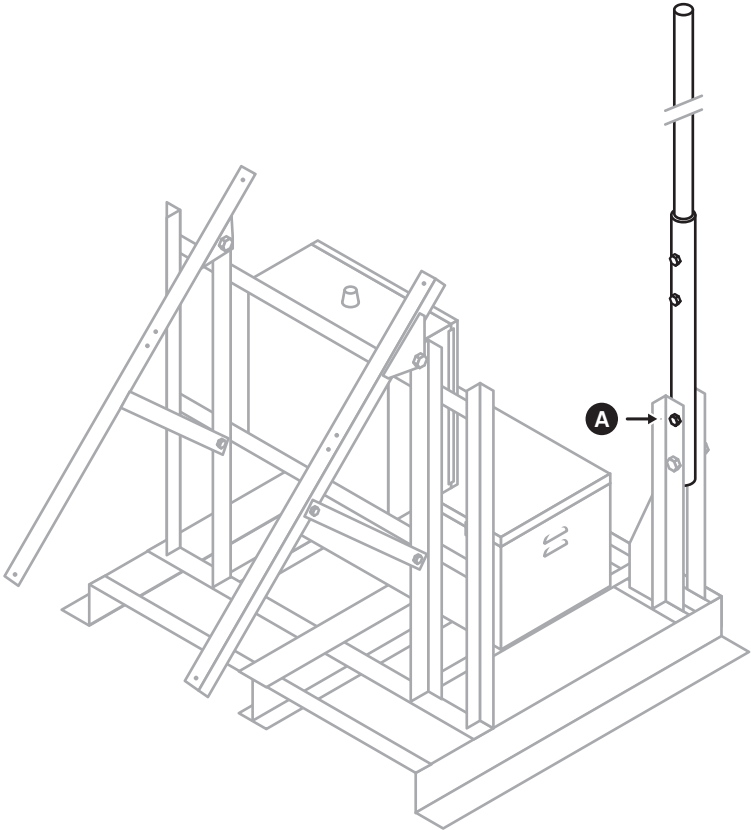


**Step 4** Carefully lower the pole mount into a horizontal position. Install the first galvanized pole by aligning both sets of holes and installing the provided 1/2" fasteners. Then, repeat these steps to add the second galvanized pole.



# Installation

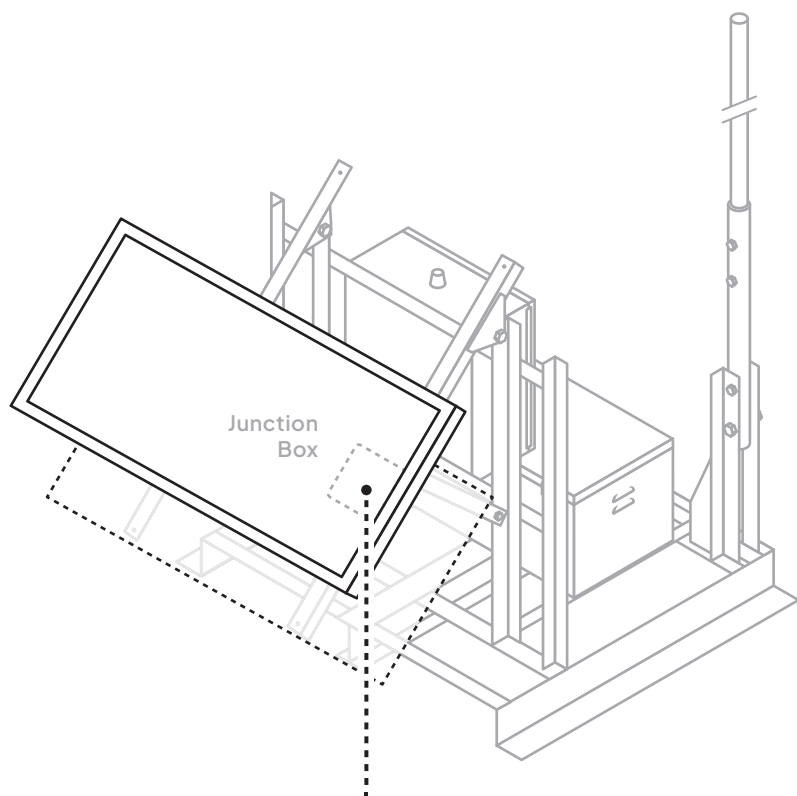
**Step 5** Carefully support the pole assembly back into the upright position and reinstall the 1/2" fastener (A).



## Solar Panels

---

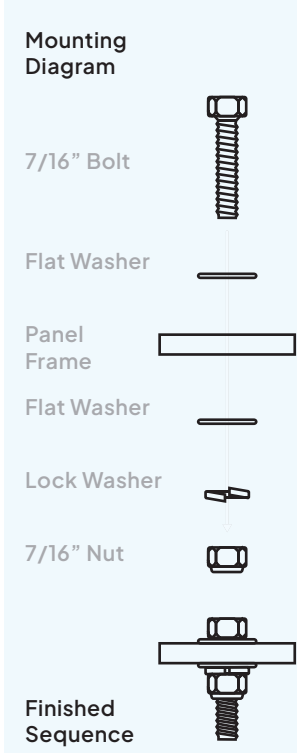
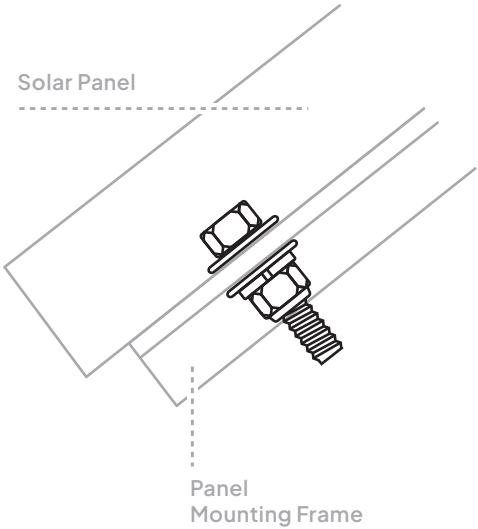
**Step 1** Attach the lower solar panel to the mounting frame using the provided hardware to secure all four corners of the panel (see **Mounting Diagram** on following page).



Ensure the junction box on the back of the panel is oriented toward the mast side of the solar skid.

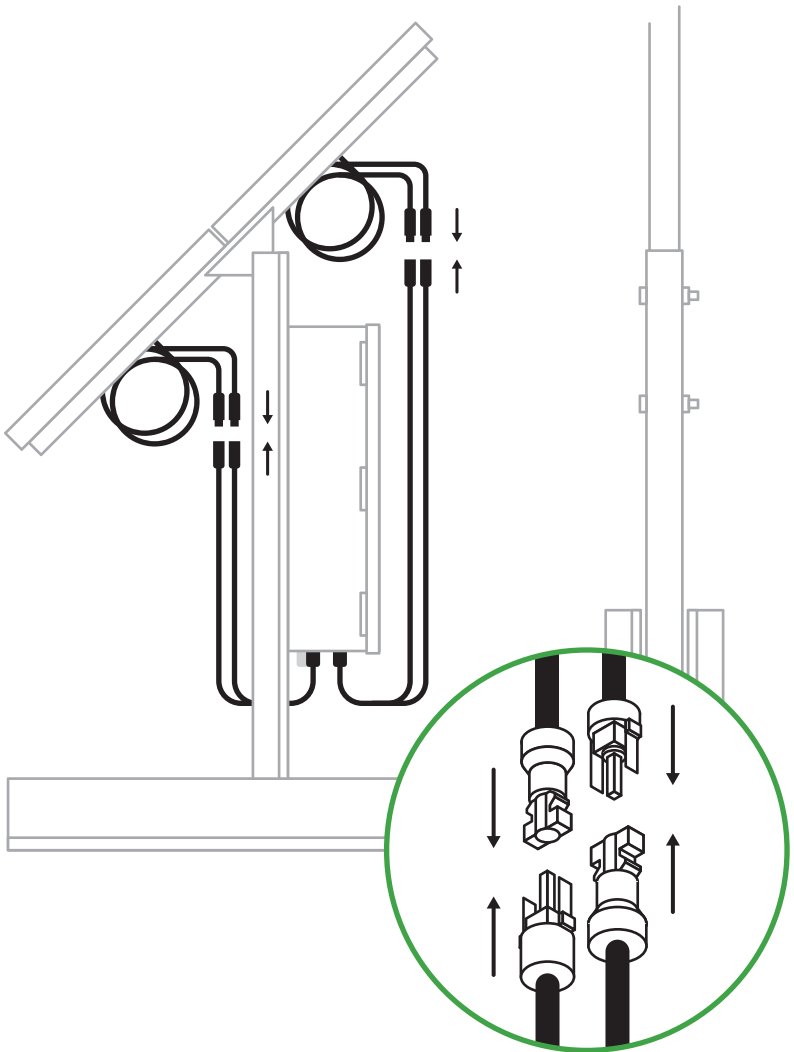
# Installation

## Mounting Diagram



**Step 2** Repeat step 1 to install the upper solar panel.

**Step 3** Take the cables coming from both solar panels and plug them into the connectors coming from the bottom of the control box, male to female.

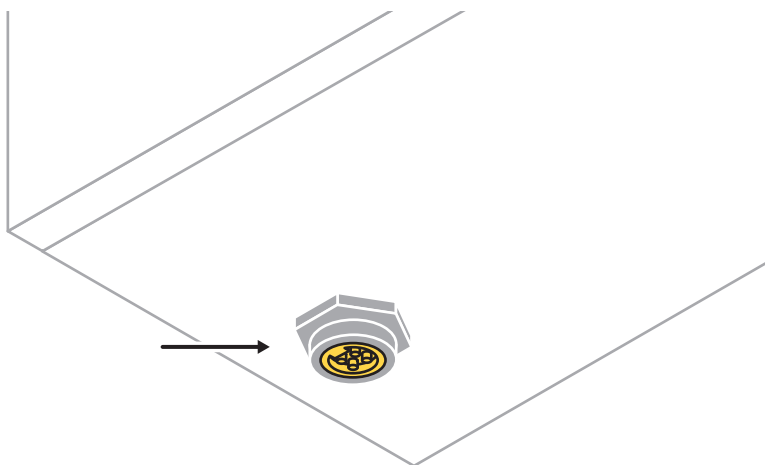


# Mounting & Connecting the Camera

---

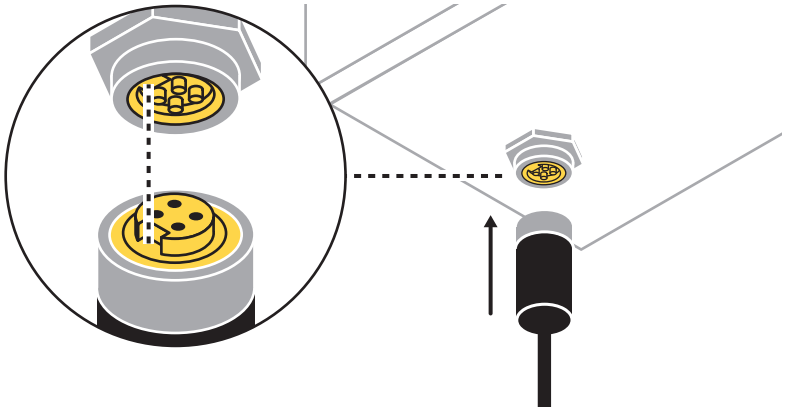
**Step 1** Follow the pole mounting instructions from your camera manual to secure the camera (and control box, if applicable) to the solar skid mast.

**Step 2** Locate the yellow port on the camera enclosure or control box.

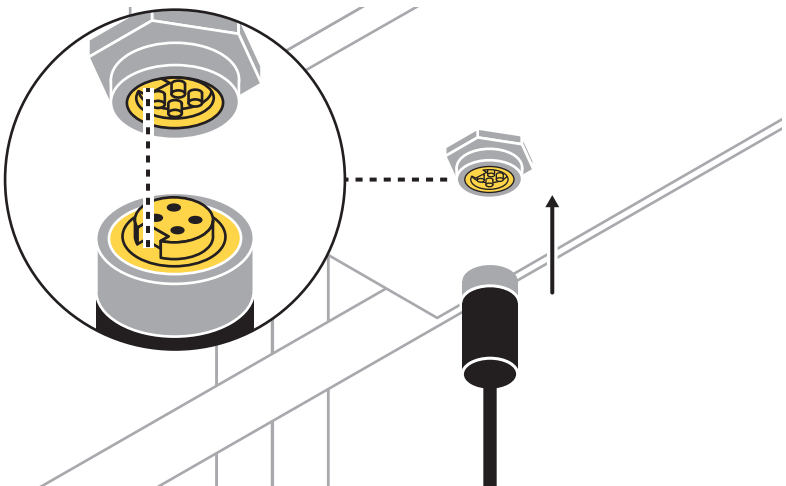




**Step 3** Align notches and plug connector end of the load cable into the yellow port. Gently hand tighten to screw silver collar into input.

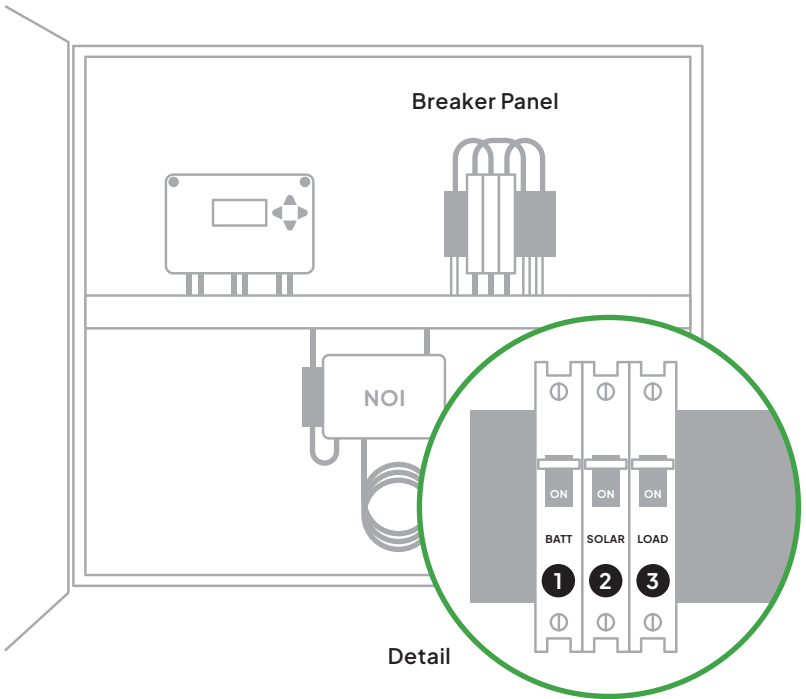


**Step 4** Locate the yellow port on the bottom of the solar skid control box. Align notches and plug the other connector end of the load cable into the yellow port. Gently hand tighten to screw silver collar into input.



# Powering the System

**Step 1** Open the control box and locate the three breaker switches. Flip the switches up into the ON position. Your camera will be online and ready to use within 10 minutes.



# Troubleshooting

---

If something seems wrong with the system, it may be necessary to troubleshoot.

## Cautions:

- Troubleshooting should be attempted by qualified personnel only.
- A battery can cause serious damage if shorted.
- Do not disassemble the ProStar from its case. There are no user serviceable parts inside the ProStar.

## Camera Not Operating Properly

1. Check that the load breaker is turned on.
2. Check that the camera cable connectors are securely fastened.
3. If the ProStar internal temperature is above 80°C/176°F, the load will be disconnected, and all LEDs will be flashing in sequence. Check that nothing is obstructing the vents at the top of the case to ensure clear airflow around the ProStar.

## Battery Is Not Charging

1. Check that all wire connections in the system are correct and tight.

If your system is still not functioning properly, please contact TrueLook Support for further assistance.

# Maintenance Tips

---

- ✔ Do not allow smoking or open flames near the battery enclosure.
- ✔ If a battery has been unused for a long time, charge it externally with a battery charger prior to using it again for maximum efficiency.
- ✔ Solar panels are designed to quickly melt snow on their own. If there is a more urgent need to remove snow, gently use a soft brush. Using too much force may scratch or damage the panels.
- ✔ If the solar panels need cleaning, use only water and a microfiber cloth.
- ✔ Do not store any system components on the ground to avoid the intrusion of water or dirt.

## Battery Replacement

---

We recommend the **Duracell Ultra Platinum AGM BCI Group 31M Deep Cycle Marine & RV Battery** as a replacement.

If you are unable to find this specific battery, the battery should meet the following specifications:

---

<b>Product Category:</b> Marine/RV	<b>Capacity:</b> 105AH
<b>Voltage:</b> 12	<b>Capacity 20hr:</b> 105AH
<b>Format:</b> BCI Group 31M	<b>Cranking Amps:</b> 1000
<b>Chemistry:</b> Lead Acid	<b>Cold Cranking Amps:</b> 800
<b>Lead Acid Type:</b> Deep Cycle, Dual Purpose (Starting/Cycling)	<b>Marine Cranking Amps:</b> 1000
<b>Lead Acid Design:</b> AGM	<b>Terminal Type:</b> DT, SAE/M8 Stud, SAE/M8 Threaded Post, WNT

# Support Review

---

Once you're done with installation, snap a few pictures and email them to [support@truelook.com](mailto:support@truelook.com). If our Customer Support team notices anything they can help with, they'll reach out. This will also help with a quick review of your setup if you run into future issues.

## The Email

For the most efficient response from our team, include the following in your email:

1. Company name
2. Project name
3. Contact person for installation issues
4. The following photographs:
  - A. Your whole TrueLook solution: the camera, what it's mounted to, and any accessories
  - B. Close-ups of mounting
  - C. Close-ups of connections
  - D. Inside of battery box
  - E. Inside of control box

# Notes

---

# Accessing Your Camera

---

