

## 50W SemiFlex Solar Panel with Built-In Charge Controller and Suction Cups

### Handling Guidelines

SCAN THE QR CODE BELOW TO WATCH THE STEP-BY-STEP VIDEO



Proper handling ensures the panel's long-term durability and performance.

 **Do:**

- **Use both hands.** Always support the panel with one hand on each side to avoid stress on the material.



- **Minimize flexing.** The panel is relatively rigid but can flex if caught in the wind or held improperly.

- **Carry it carefully.** When moving it between vehicles or around your facility, protect it from strong gusts of wind that could cause it to bend.

### ⊘ Don't:

- **Avoid grabbing corners with cells.** Lifting by a corner—especially one with a solar cell—can cause cracking.



- **Don't over-bend.** Cracking a cell won't kill performance entirely, but will reduce power output.

## Installation Instructions

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Follow these steps to securely mount the panel on a window using its built-in suction cups.

### 1. Clean the Surface



- Use **isopropyl alcohol**, **Windex**, or a similar cleaner to wipe down the window.
- Ensure the area is dust and dirt-free to ensure strong suction.

## 2. Wet the Suction Cups



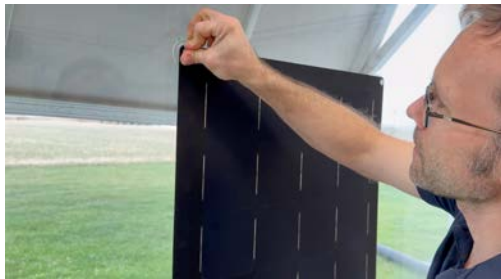
- Lightly dampen all four suction cups with a wet rag.
- Moist suction cups create a stronger and longer-lasting hold.

## 3. Position the Panel



- Hold the panel with **two hands**.
- Determine the correct orientation based on where the **cable needs to run** to reach the battery.

#### 4. Attach the Panel



- Press firmly in the **center of each suction cup** to secure it to the window.
- Confirm all cups are sealed and the panel is flat against the surface.

#### 5. Connect to the Battery



- Use the attached cable and **alligator clips** to connect to your battery.
  - **Black clip** = Negative (-)
  - **Red clip** = Positive (+)
- The system includes a **5-amp automotive fuse**. If there are connection issues, check and replace the fuse if needed.

## Uninstallation Tips

When it's time to remove the panel, follow these steps carefully to avoid damage.

### Do:

- **Release suction cups one by one.** Don't yank or pull on the panel itself.
- **Use tabs or fingernails.**
  - If a suction cup has a **visible tab**, lift it gently.
  - If **no tab is visible**, slip a fingernail under the edge to release suction.

### Don't:

- **Never pull the panel off by force.** This can crack a cell and reduce the panel's output.