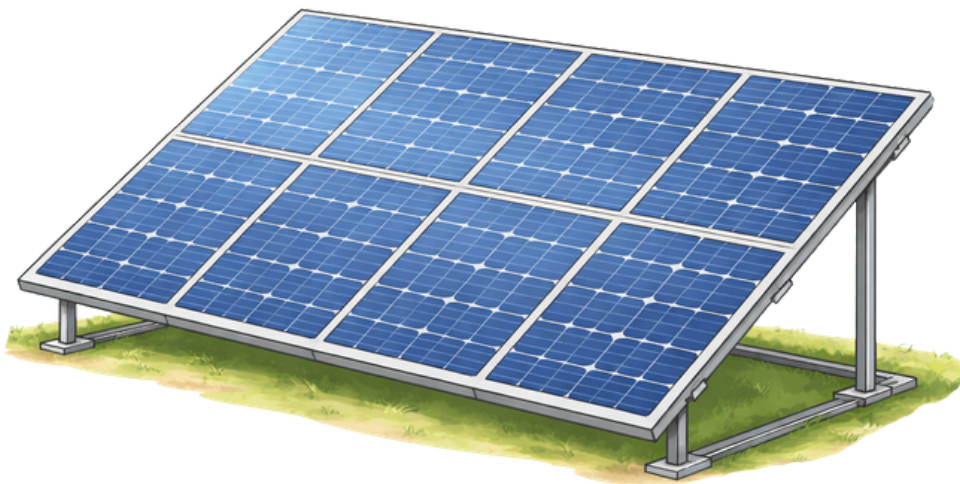




Solar Panel Quick Installation Guide



Document Control

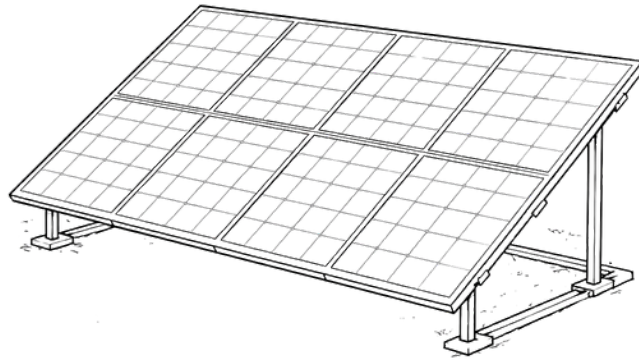
This electronic version is the latest revision.

Once printed this document becomes uncontrolled and is the individual's responsibility to ensure the latest revision is being followed.

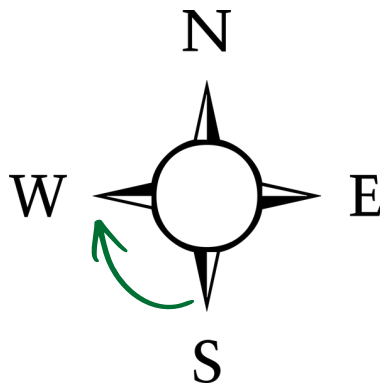
Doc No.: EEMC/GUI/004. Rev01 Date: June 2026

TITLE: Solar Panel Quick Installation Guide

Solar Panel Installation Guide



Needs to be at between 30-45 degree angle.

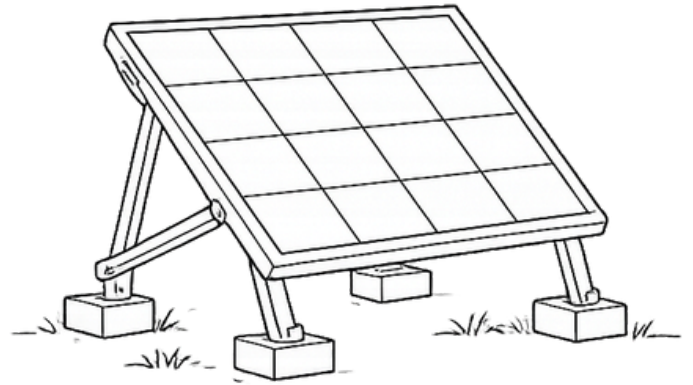


Needs to be facing southwest

Solar Panel Installation Options

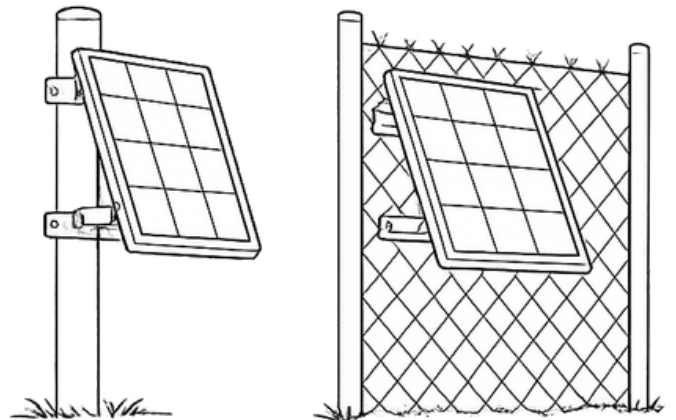
1 Installation Option A

Solar panels can be installed on the ground, using brackets.



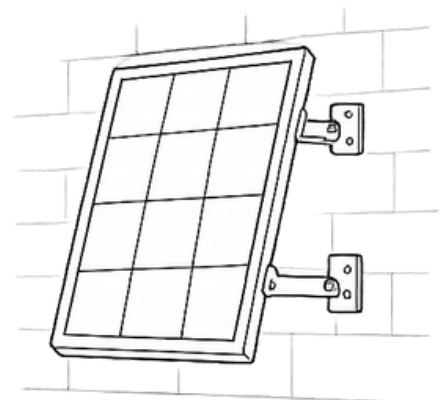
2 Installation Option B

Solar Panels can be installed on a pole or fence



3 Installation Option C

Solar Panels can be installed on the wall using the brackets provided.



Ground Mounted Solar Panel Installation Guide

Follow these steps to safely install your solar panel on the ground using mounting brackets.

1 CHOOSE THE INSTALLATION LOCATION

- Select an area with maximum sunlight exposure.
- Avoid shaded areas from trees, buildings, or structures.
- Ensure the panel will face southwest.
- Allow sufficient space around the panel for maintenance.

2 PREPARE THE GROUND

- Clear vegetation, debris, and loose soil.
- Level the installation area.
- Mark the positions for the mounting brackets.

3 POSITION THE BRACKETS

- Place the mounting brackets according to the panel dimensions.
- Check spacing and alignment.
- Use a spirit level to ensure the brackets are level.

4 SECURE THE BRACKETS

- Fix brackets to concrete blocks, ground anchors, or a suitable foundation.
- Tighten all fixing bolts securely.
- Verify that the structure is stable.

5 MOUNT THE SOLAR PANEL

- Lift the solar panel onto the brackets.
- Secure the panel using the supplied fixing bolts.
- Tighten all mounting hardware firmly.

6 SET THE PANEL ANGLE

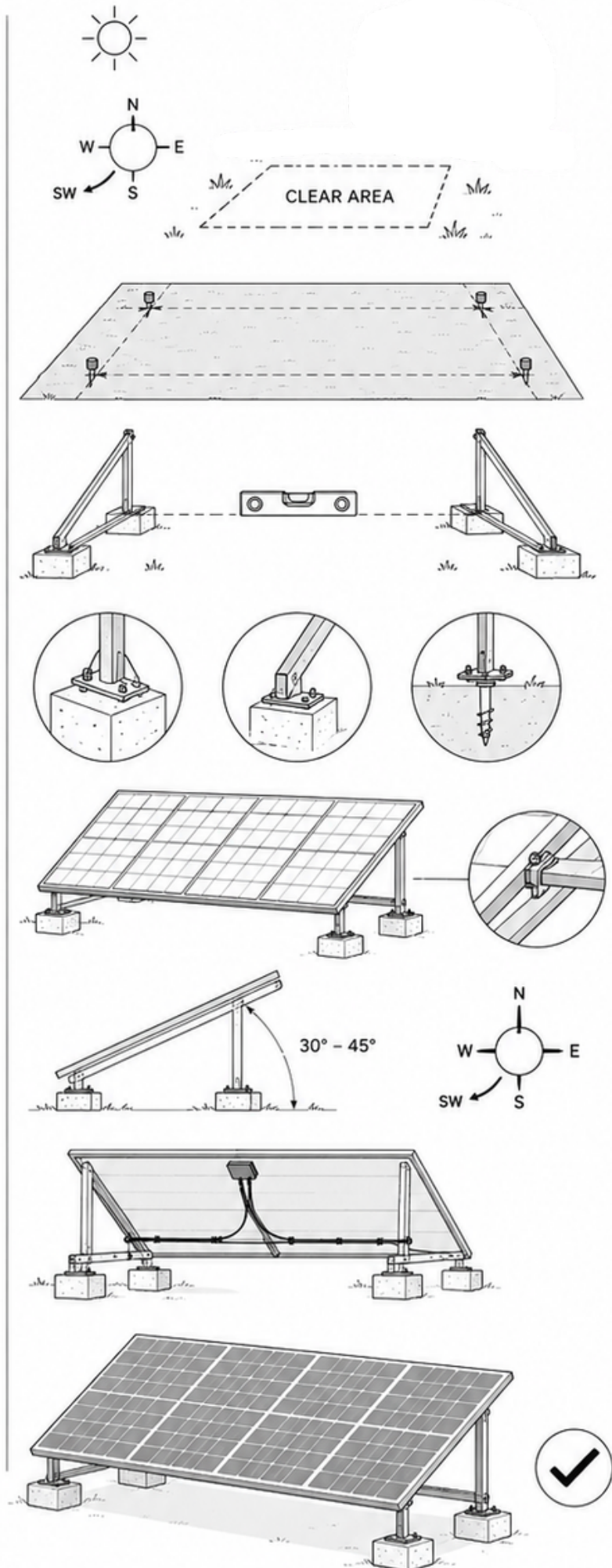
- Adjust the panel tilt to between 30° and 45° .
- Confirm the panel is facing southwest for optimum performance.

7 ROUTE AND SECURE CABLES

- Connect the solar panel cables.
- Secure cables neatly using cable clips or ties.
- Ensure cables are protected from damage and trip hazards.

8 FINAL CHECKS

- Check all bolts, brackets, and cable connections.
- Confirm the panel is secure and correctly aligned.
- Ensure the installation is stable and safe.



Solar Panel Installation Guide – Wall Mount

Follow these steps to safely install your solar panel on a wall using the brackets provided.

1 CHOOSE THE INSTALLATION LOCATION

- Select a wall with maximum sunlight exposure.
- Avoid shaded areas from trees, buildings, or structures.
- Ensure the panel will face southwest.
- Ensure the wall is strong enough to support the panel.

2 CHECK THE WALL SURFACE

- Confirm the wall is brick, concrete, or suitable timber.
- Do not install on damaged or unstable surfaces.
- Check for hidden pipes and electrical cables.

3 MARK BRACKET POSITIONS

- Position the brackets using a spirit level.
- Mark fixing hole locations.
- Verify alignment before drilling.

4 DRILL HOLES & INSERT ANCHORS

- Drill holes at the marked positions.
- Use suitable drill bits for the wall material.
- Insert wall plugs or anchors.

5 FIX THE BRACKETS TO THE WALL

- Secure the brackets using suitable fixings.
- Tighten all bolts securely.
- Double-check bracket alignment.

6 MOUNT THE SOLAR PANEL

- Lift the panel onto the brackets.
- Secure using the supplied bolts and washers.
- Tighten all mounting hardware.

7 SET THE PANEL ANGLE

- Adjust the tilt between 30° and 45°.
- Ensure the panel faces southwest.

8 ROUTE AND SECURE CABLES

- Connect the solar panel cables.
- Secure cables using clips or ties.
- Protect cables from damage and weather exposure.

9 CONNECT TO THE SYSTEM

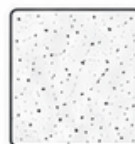
- Connect cables to the charge controller or inverter.
- Verify polarity before connection.
- Check all connections are secure.

10 FINAL CHECKS

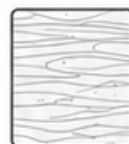
- Check alignment, brackets and fixings.
- Verify cable connections.
- Ensure the installation is secure and stable.



BRICK



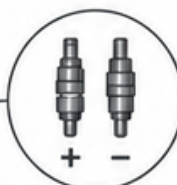
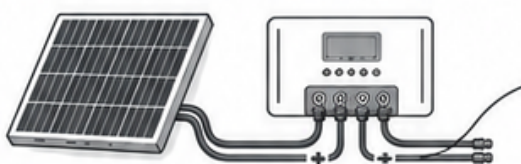
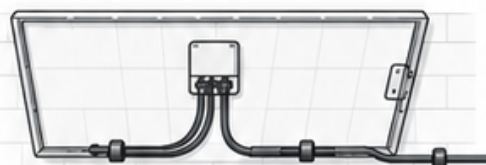
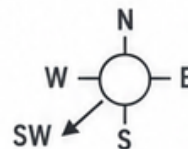
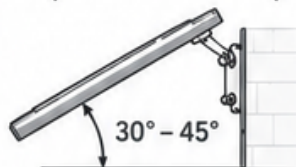
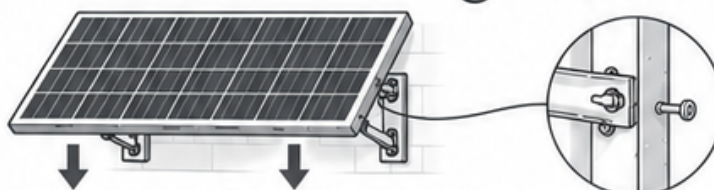
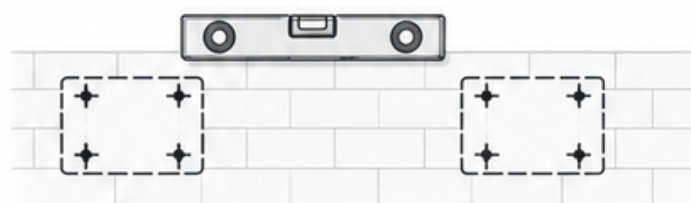
CONCRETE



TIMBER



Do not install on damaged or unstable walls.

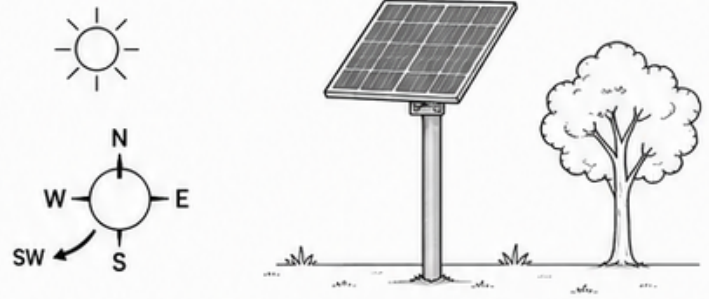


Solar Panel Installation Guide – Pole Mount

Follow these steps to safely install your solar panel on a pole using mounting brackets.

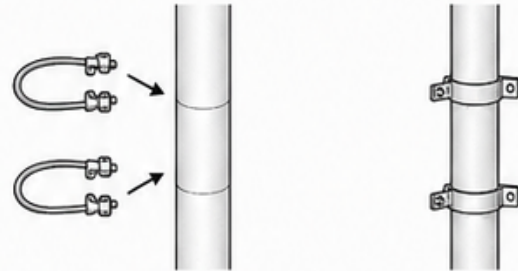
1 CHOOSE THE INSTALLATION LOCATION

- Select a location with maximum sunlight exposure.
- Avoid shaded areas from trees, buildings, or structures.
- Ensure the panel will face southwest.
- Ensure the pole is stable and able to support the panel.



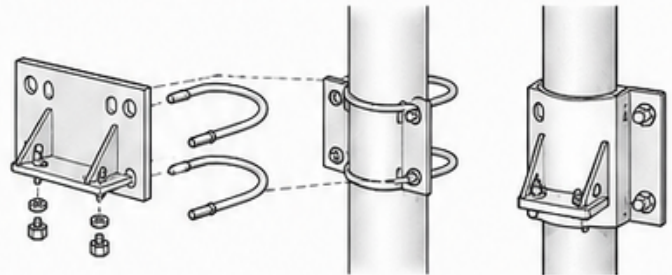
2 PREPARE THE POLE

- Ensure the pole is vertical and secure.
- Clean the mounting area.
- If required, install pole clamps at the desired height.



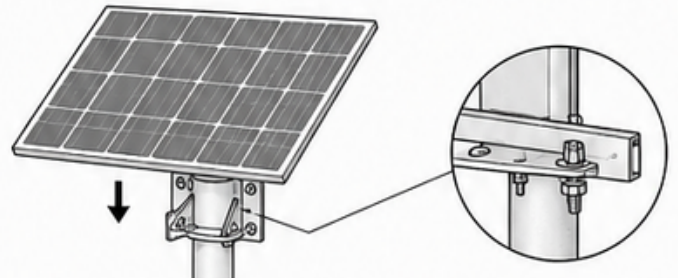
3 ATTACH THE MOUNTING BRACKET

- Position the mounting bracket on the pole at the required height.
- Insert the U-bolts through the bracket and around the pole.
- Tighten the nuts evenly until the bracket is secure and does not move.



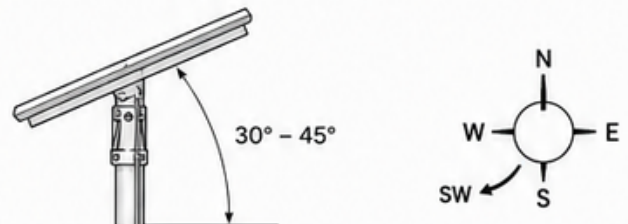
4 MOUNT THE SOLAR PANEL

- Place the solar panel onto the bracket.
- Align the panel and secure it using the supplied bolts and washers.
- Tighten all mounting hardware firmly.



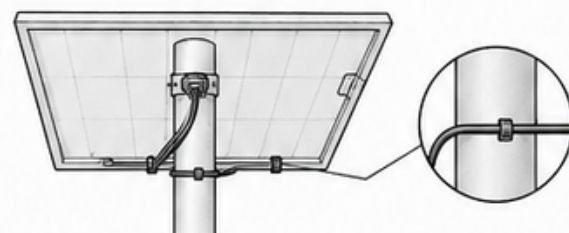
5 ADJUST THE PANEL ANGLE

- Adjust the tilt to between 30° and 45° for optimum performance.
- Ensure the panel is facing southwest.



6 ROUTE AND SECURE CABLES

- Connect the solar panel cables.
- Secure cables neatly using cable clips or ties.
- Ensure cables are protected from damage and weather exposure.



7 FINAL CHECKS

- Check all bolts, brackets, and cable connections.
- Confirm the panel is secure and correctly aligned.
- Ensure the installation is stable and safe.

