

7 Piece Solar Panel Mounting Kit

AMB-7P



The ALVOLTA 7 Piece Solar Panel Mounting Kit can be used to provide secure mounting to any flat surface on an RV canopy or boat. The 7 Piece Mounting Kit is compatible with aluminium-framed solar panels and can be adjusted to suit any size. The mounts support the solar panel at an optimal height to allow for airflow to ensure the solar panel functions effectively in hot or harsh conditions.

Solar panel mounts are an ideal way to affix solar panels to the roof or deck of motorhomes and boats. The mounts can be bonded directly to a surface using a bonding adhesive, eliminating the need for drill holes in the mounting surface. The curved design of the mounts also ensure adequate wind deflection for high wind loads.

The four corner mounts provided attach to each corner of the intended solar panel to mount the panel to the desired surface. The side mounts are included to provide additional support to larger solar panels and are designed to attach to the long edge of the panel to provide extra mounting strength.



Includes:

- ABS Plastic Mounting Pieces (Available in Black or White)
 - 4 Corner Mounts
 - 2 Side Mounts
 - 1 Double Entry Junction Box
- Installation Instructions



Recommended bonding agent is a sealant with adhesive bondage.

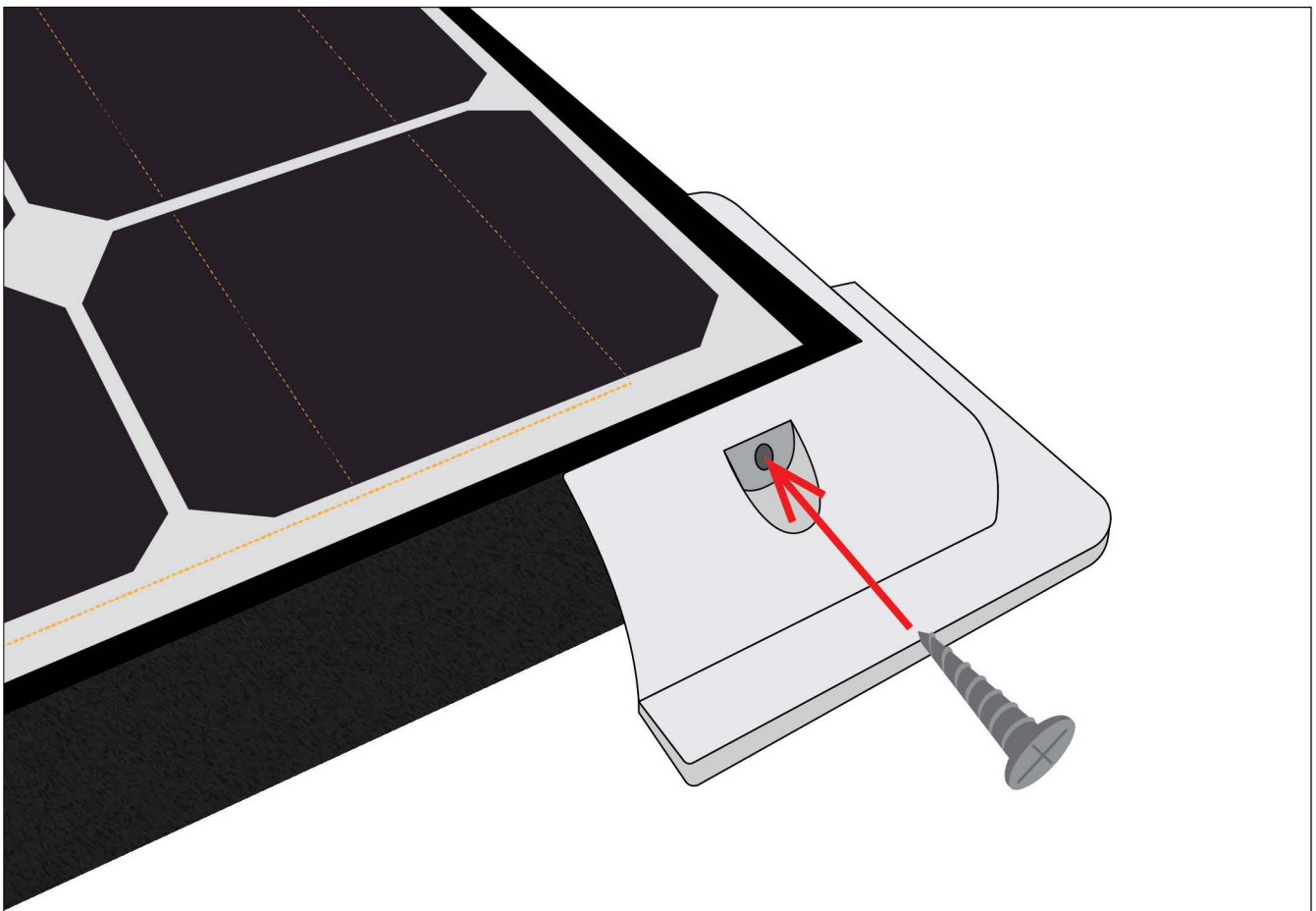
Installation Steps

1. Drill clearance holes

Clearance holes will need to be drilled in the ABS Brackets at the appropriate recessed ports. Place the panel mounts on a flat surface, then position the panels onto the mounts. Drill a pilot hole through the mount directly into the panel frame.

When drilling the holes in the solar panel frame to attach the bracket, ensure the hole is drilled in the center of the panel frame to avoid any damage to the solar panel glass and cells.

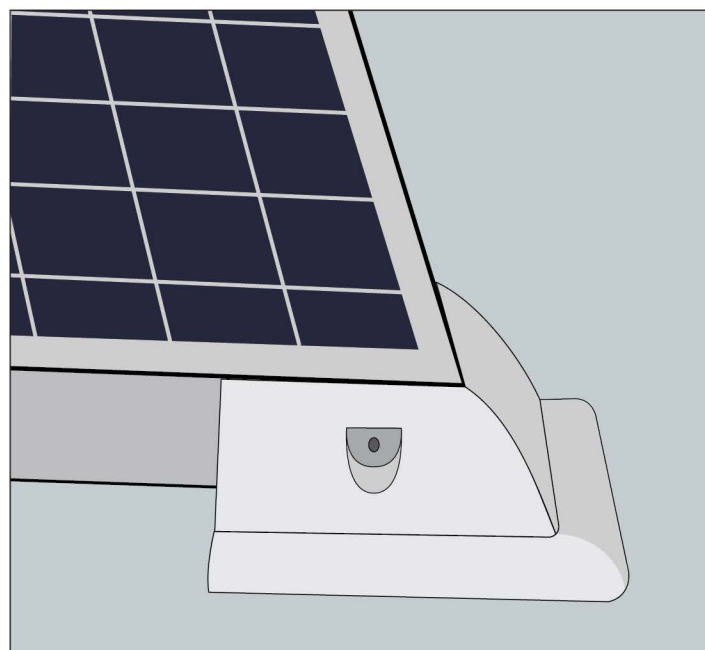
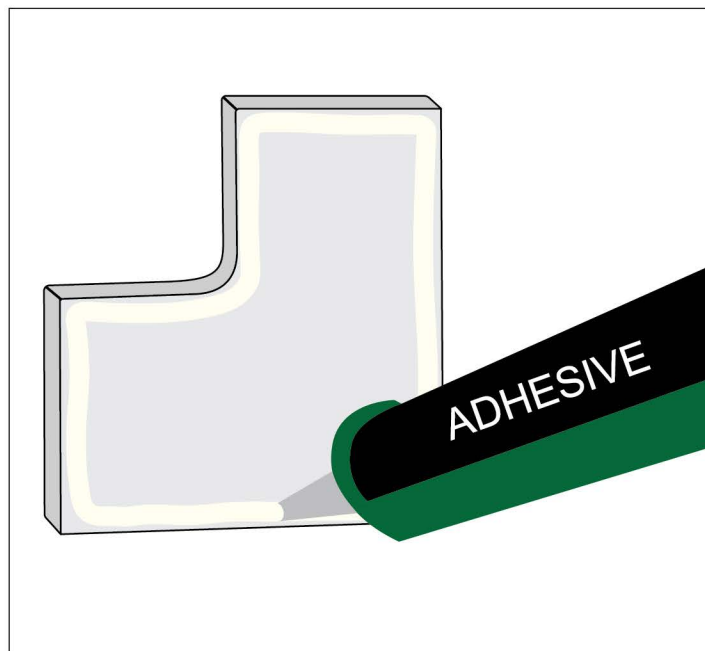
2. Attach the brackets to the solar panel frame using self-tapping stainless steel or galvanised screws



3. Mark the mounting location for the panels on the surface to which the panels will be mounted

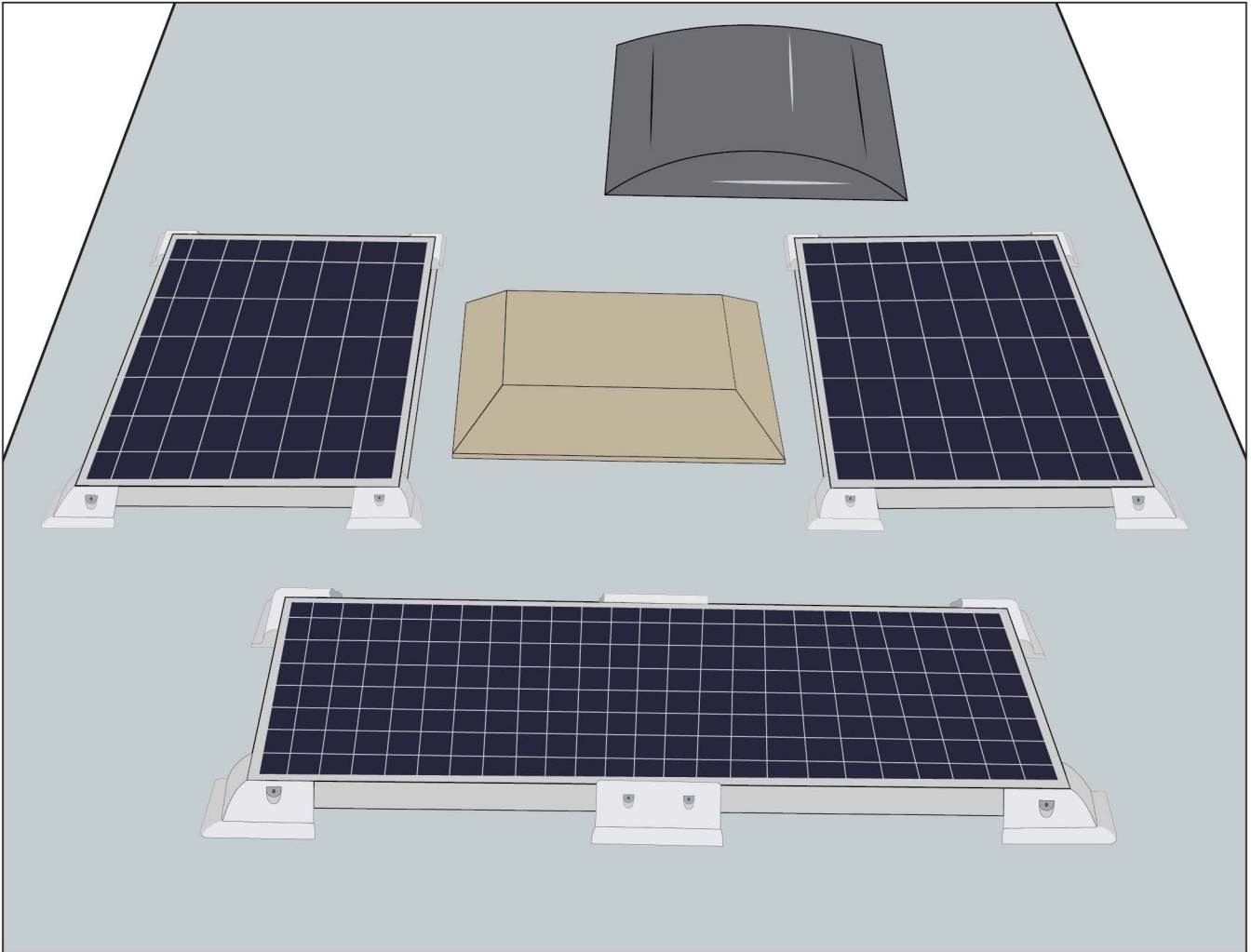
4. Adhere the ABS Brackets to the mounting location

After applying the bonding agent to the ABS Brackets, place them on their pre-marked position to install. Ensure the panel is oriented so the wires and cables of the panel are showing on the correct side for connection. Follow adhesion instructions for the bonding agent used to complete secure installation. Gently apply pressure to each bracket to ensure adequate contact across all surfaces .



5. Allow bonding adhesive to dry

Follow instructions provided by the bonding agent to allow the bonding adhesive adequate time to dry. Once the adhesive is dried, connect the solar panel cables.



Cable Management

Avoid loose wiring for safety and aesthetic value. It is recommended to use a small amount of bonding agent on the solar panel wires in various places to adhere the wires to the roof or deck.

Please Note



These instructions are a simple guide for the installation of the ALVOLTA 7 Piece Solar Panel Mounting Kit.

It is important to follow the adhesion instructions of the bonding agent to ensure the panels are mounted safe and secure.

ALVOLTA cannot be responsible for any damages and/or injuries caused by incorrect installation.

Optional Products

For ease of installation ALVOLTA recommends the following products:

Pre-wired Junction Box

- UV stable ABS molded plastic
- Completely waterproof
- Prevents leaky/unsafe cable entries
- Creates clean cable management
- Can be bonded to any surface the same way as the mounting kit has



MC4 Cables

- Double insulated cables
- UV protected
- Genuine plug connectors and MC4 connectors
- Can be used for Grid or Off-Grid Applications
- Extends solar panel cables efficiently
- Available in 5 or 10 meter length
- Available in 4 or 6 millimeter cable diameter



For more information, please see the ALVOLTA website:

www.alvolta.com.au