▶ What is Solar Stack?

Solar Stack is the only solar panel mounting system that avoids all roof penetrations and damage while meeting the strictest building codes in North America.
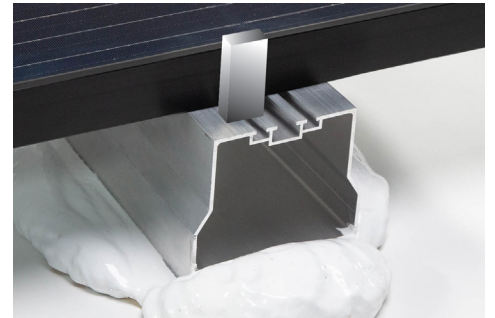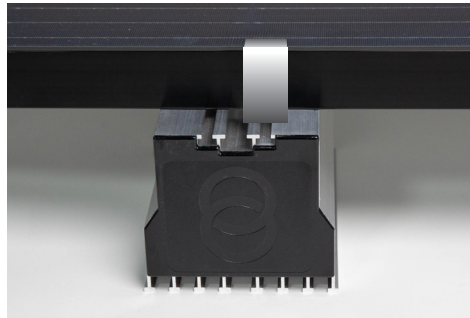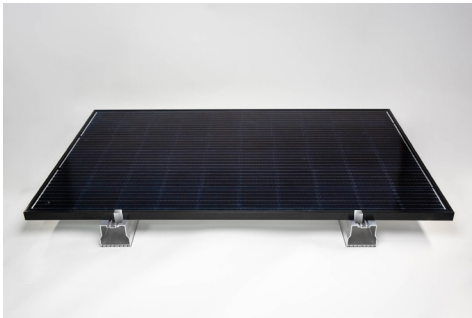
▶ How does it work?

Solar Stack is bonded to the roof membrane with spray polyurethane foam adhesive.
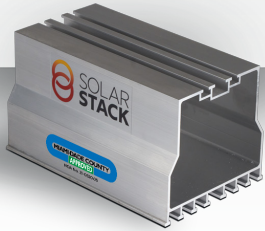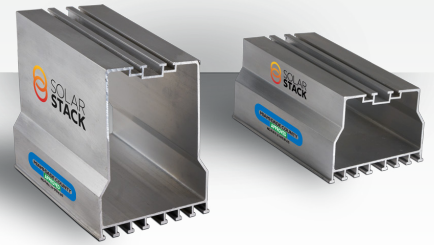

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▶ Products

8" flush mounts (SS-8)
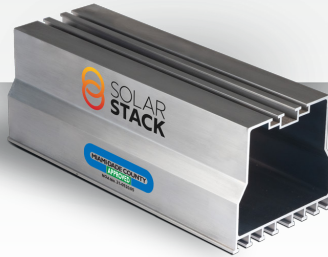
12" flush mounts (SS-12)

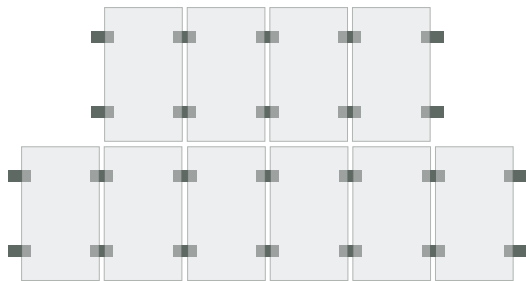Tilt Mounts, 5° and 10° options
(SS-8 TK5 & SS-8 TK10)

▶ How many Solar Stacks per panel?

Solar Stacks share in-between panels

To find the exact amount of SS needed, take the amount of panels x 2 + the amount of rows x 2 = number of Solar Stacks required.

amount of panels   _10_ x 2 _20_
+
the amount of rows   _2_ x 2 _4_
=
Solar Stacks required   _24_

NOTE: Calculation is same for either orientation.

Flush Mount (Portrait)
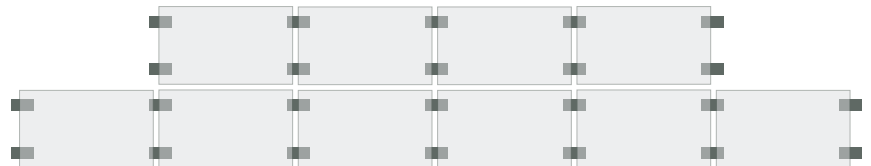
Tilt Mount (Landscape)

Flush Mount

Tilt Mount

Low   High
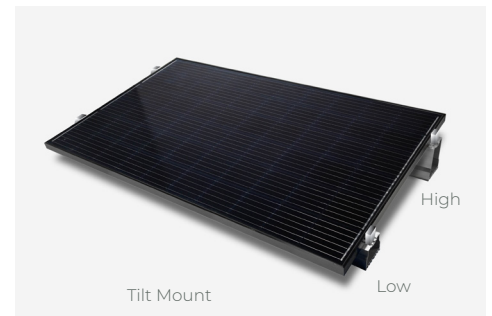
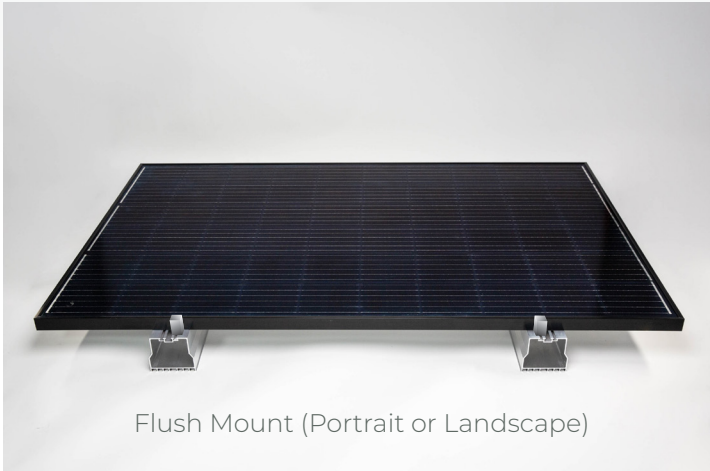Tilt Mount

High

Low

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What orientation are panels mounted?

- Panels can be mounted in landscape or portrait with flush Solar Stack mounts.
- Tilt kits are designed to be mounted in landscape orientation. If mounted in portrait 2°-3° of tilt will be lost.

Flush Mount (Portrait or Landscape)

Tilt Mount (Landscape)

How is Solar Stack attached to panels?

- Panels are attached directly to Solar Stack mounts. **Rails are not required.**
- Each Solar Stack has three mounting channels. Two .25" channels and one .5" channel. Clamps with a .25" t-bolt and .5" snapping clamps are compatible.
- Grounding hardware and micro-inverters can also be attached within these three channels.

.5"
.25"

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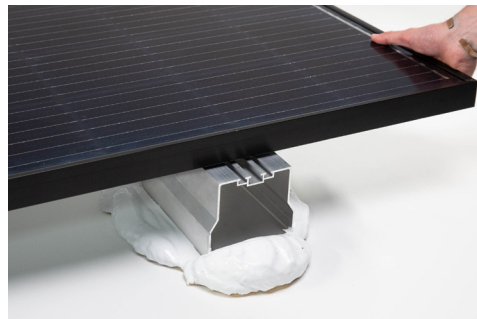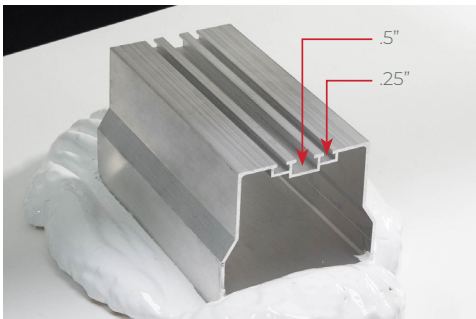
Foam

Each container weighs 38 lbs. It is preassembled and ready to use. Each container has enough adhesive to mount between (125-175 qty) SS-8 and SS Tilt Mounts, or (85-115 qty) SS-12.

TEMPERATURE GUIDELINES

- Chemical Storage Temperature | 50-100°F (10-38°C)
- Outside Application Temperature | 40-100°F (4-38°C)
- Internal Chemical Application Temperature | 70-90°F (21-32°C)
- Surface Application Temperature (Substrate) | 40-100°F (4-38°C)

*Internal chemical temperature must be at least 70°F when applying foam.
Store in temperatures 70°F or above during winter months.*

Once opened foam kits can be re-used but they have an expiration date of 30 days.

Solar Stack should be installed by a Certified Solar Stack Installer. If you'd like to become a Certified Installer email or call us today!

Foam Primer

- SS-TPO Primer creates a strong bond for all single-ply membranes (TPO, EPDM, PC, etc).
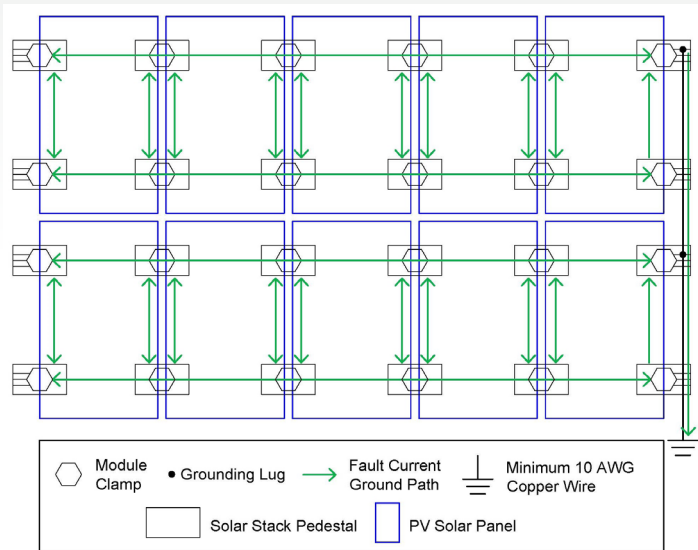- SS-TPO Primer is only REQUIRED for TPO roofs.

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▶ Grounding?

One grounding line is required per row of panels.

Legend:
- ⬡ Module Clamp
- ● Grounding Lug
- → Fault Current Ground Path
- ⏚ Minimum 10 AWG Copper Wire
- ▭ Solar Stack Pedestal
- ▭ PV Solar Panel

▶ Wire Management?

- · Inverters can be attached to Solar Stack or solar panels.
- · Conduit can be mounted to Solar Stack with self tapping screws.
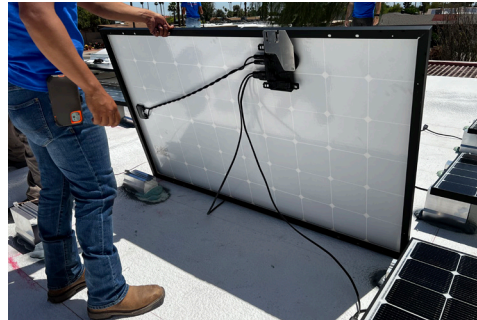
Solar Stack is the fastest and simplest installation system on the market

Training is recommended for any installation. Solar Stack offers hands-on and virtual training. Once trained, contractors are considered a Certified Solar Stack Installer. They will be featured on our website and will receive local leads.

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▶ Paint Foam

Each exposed Solar Stack (exposed to the sun, outside of array) must be coated with an outdoor acrylic paint for UV protection.
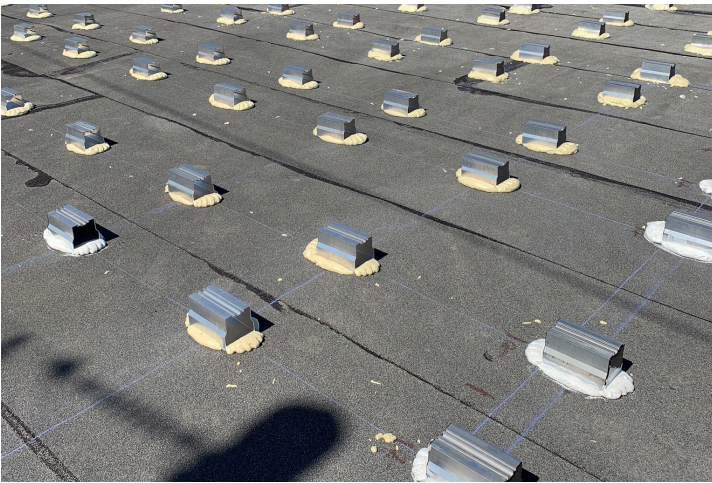
▶ Product Quantities

- **SS-Cleaner:** Used to clean all roofs - 1 gal
- **SS-TPO Primer:** TPO Primer - 1 gal (required for all TPO roofs)
- **SS-Coating:** Roof grade acrylic paint – 5 gal (UV protectant for exposed foam)
- **SS-Foam:** Installs 125-175 SS-8 or 80-110 SS-12
- **SS-TPO Primer:** Good for 250+ SS-8 or 175 SS-12
- **SS- Coating:** Good for 250+ SS-8 or 175 SS-12
- **SS-Cleaner:** Good for 500+ SS-8 or 300+ SS-12

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