



Application Note

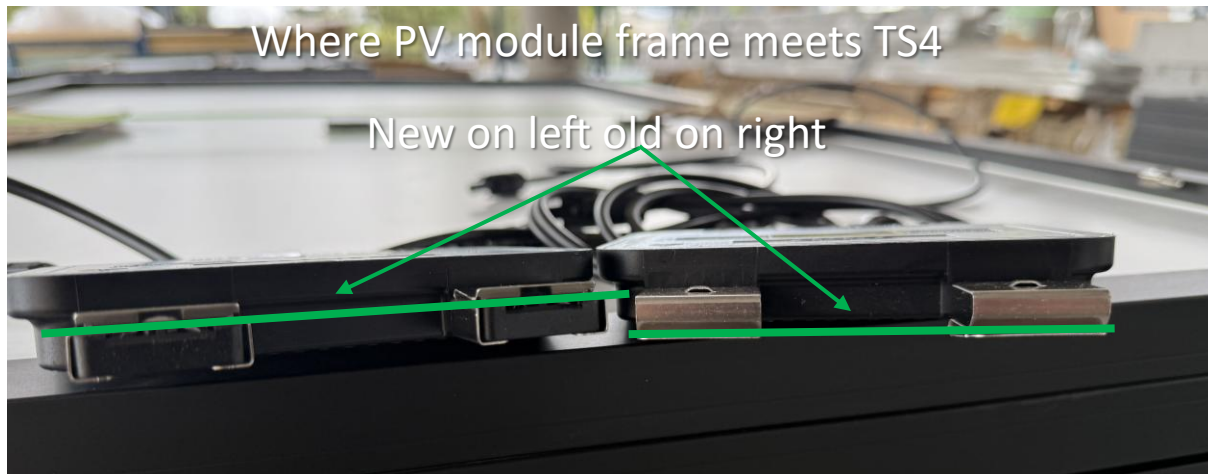
TS4 Mounting Clip 001-00531-10

Overview

The 001-00531-10 mounting clip (new) was introduced to improve compatibility with modern thin-frame PV modules. The updated clip position increases the air gap between the TS4 enclosure and the backside of the module, improving airflow and maintaining clearance for today's commonly used 30 mm frame designs.

Comparison

New clip (left) versus previous clip (right). The new design increases clearance and airflow behind the module.



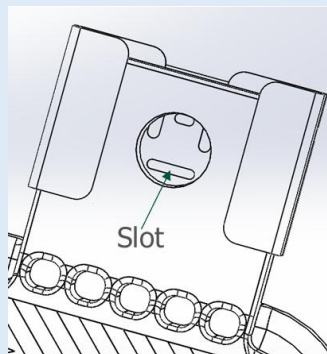
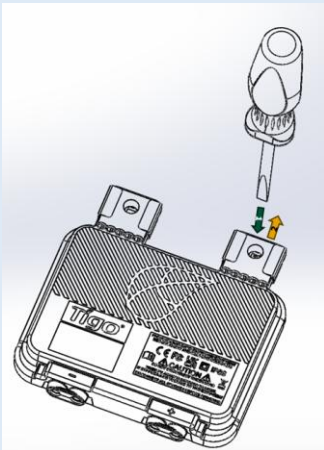


Configuration	Pros	Cons
Legacy clip	Better for module stacking workflows	Reduced air gap on some thin-frame modules
New clip	Supports modern frame sizes and airflow requirements	TS4 may protrude further and affect stacking

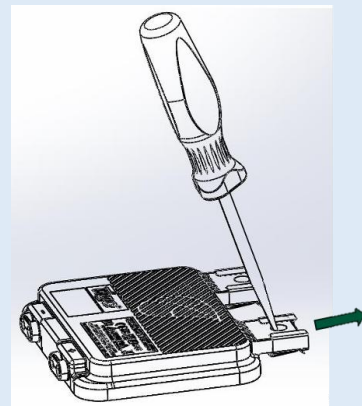
INSTALLER NOTICE: The new clip ships pre-assembled, as before. Clip removal is optional and is required only when mounting the TS4 directly to racking with bolts instead of attaching it to the module frame or another racking location.

Clip Removal (optional)

1. Insert flathead screwdriver into the opening. Push down (1) and forward (2) on the metal tab to unlock the clip and expose the slot.



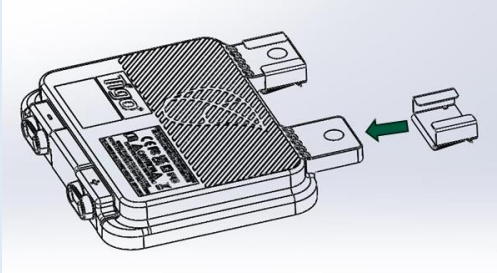
2. Use the exposed slot to help slide the clip off the plastic tab.



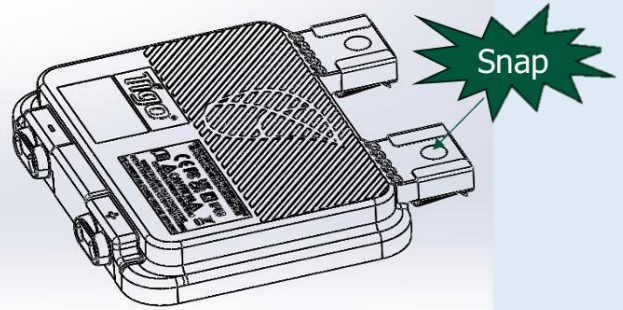


Clip Assembly (optional)

1. Slide Spring Clip onto the plastic tab.



2. Spring Clip will lock into place when properly inserted.



Frequently Asked Questions

Why the Design Changed?

Approximately 80% of modules shipped today use thinner frame profiles. With the legacy clip position, some 30 mm frame modules did not provide the desired clearance between the TS4 enclosure and the PV module backsheet.

Does the new clip ship separately?

No. The clip is factory-installed on TS4-A products.

Can the clip be removed?

Yes, the clip can be removed using a screwdriver. This may come in handy when planning to mount the TS4 directly to the racking system using bolts.

Can modules still be stacked after pre-mounting?

Stacking may be more limited than with the previous clip design.

Why does the TS4 sit further from the frame?

Additional spacing improves clearance and airflow for modern thin-frame modules.