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Confirmation Letter:

**JA Solar Photovoltaic Modules – HW4 products with TrapFIX mounting system**

Date: 30.06.2026

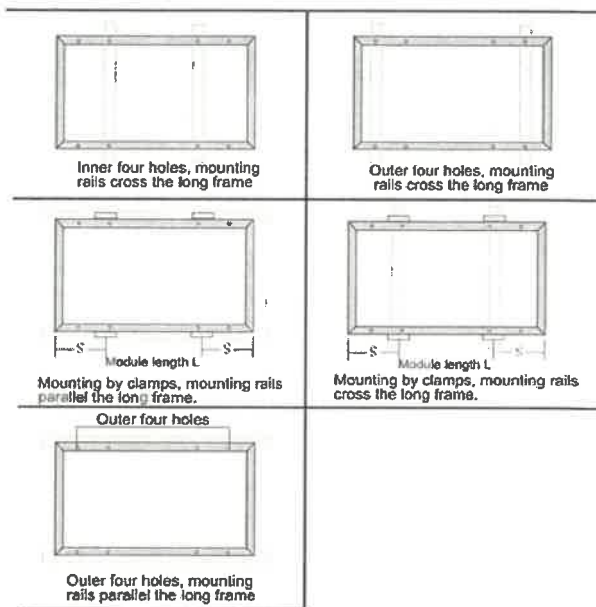
Subject: installation methods and loads for

HW4 products JAM54D40-41-xxx/LB-LR

(1762x1134x30mm, 2.8+2.0mm or 3.2+2.0mm glass)

This letter confirms that the HW4 products from JA Solar listed above, when used with the TrapFIX mounting system by eco-invention ag, can be installed as follows on trapezoidal sheet metal roofs. All loads are test loads.

**Standard installation:**



The TrapFIX system by eco-invention AG is specifically designed for trapezoidal sheet metal roof applications. The mounting points on trapezoidal profiles are typically spaced at 330 mm intervals. To ensure proper module alignment and secure mounting across these fixed roof geometries, the clamping range has been extended to  $\pm 175$  mm from the module clamping range position.

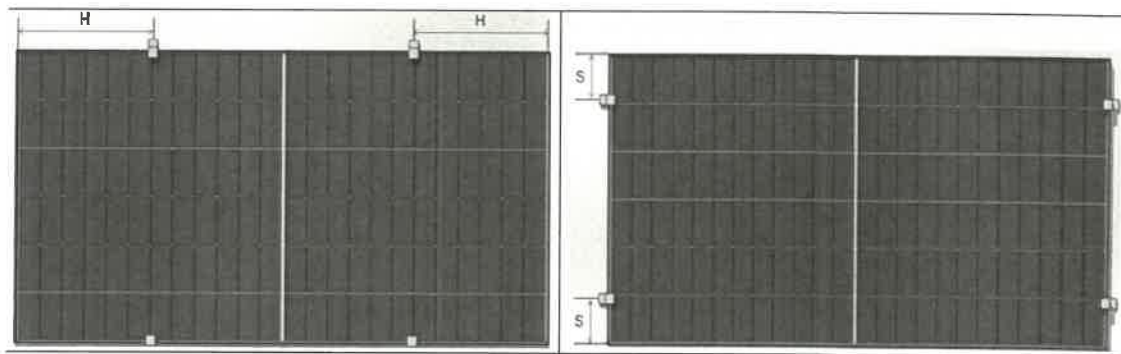
This extended range allows the module to be positioned correctly even when the roof fixing points do not align with the standard module clamping zones, ensuring full compatibility with common trapezoidal sheet metal roof configurations.

Confirmed Load Values:

For this specific installation configuration (HW4 products, 2.8+2.0 mm & 3.2+2.0 mm glass, 1762×1134 mm, rail across long side frame, TrapFIX mounting system), the following mechanical loads are confirmed:

- +3200 / -2400 Pa (standard confirmation)

### Rail less clamping installation:



1. Any (potential) additional mechanical load, affecting the module due to the underlying installation, must not exceed the maximum forces stated in JA Solar's installation manual or harmful deviate in type and direction from the respective IEC test conditions (IEC 61215/61730). JA Solar reserves the right to refuse claims from damages due to (higher) loads, directly caused by the environment (e.g. wind, snow etc.) or/and indirectly arising by the mounting structure or components applied. The installer is responsible for the applicability and suitability of the rack system and JA Solar herewith explicitly overrules any liability or claim arising (solely) from the applied mounting system.
2. The confirmation of compliance represents neither an extension or amendment of the IEC certification nor does JA Solar warrant any applicability or transition of the certification results to the mounting rack. The mounting methods set out in JA Solar's installation manual remain valid as a guideline and reference for a safe and appropriate operation in accordance with IEC 61215/61730.



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