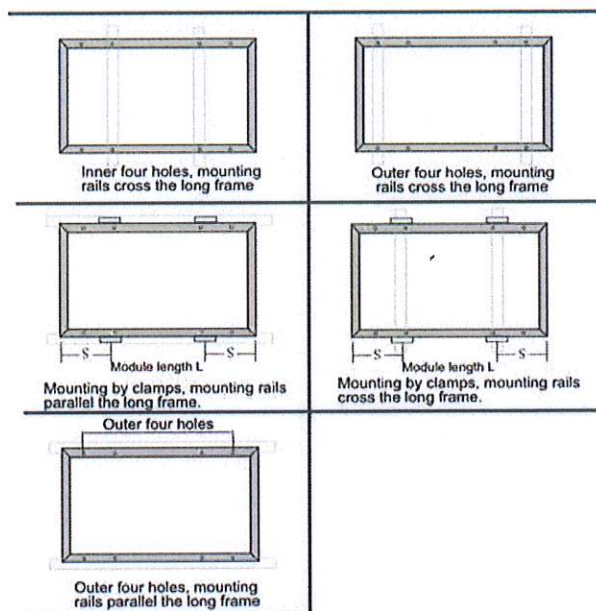


Confirmation Letter: JA Solar Photovoltaic Modules - HW4 products

Date: 16.10.2025
Subject: installation methods and loads for
HW4 products JAM54D40-xxx/LB and JAM54D41-xxx/LB
(1762x1134x30mm, 2.8+2.0mm or 3.2+2.0mm glass)

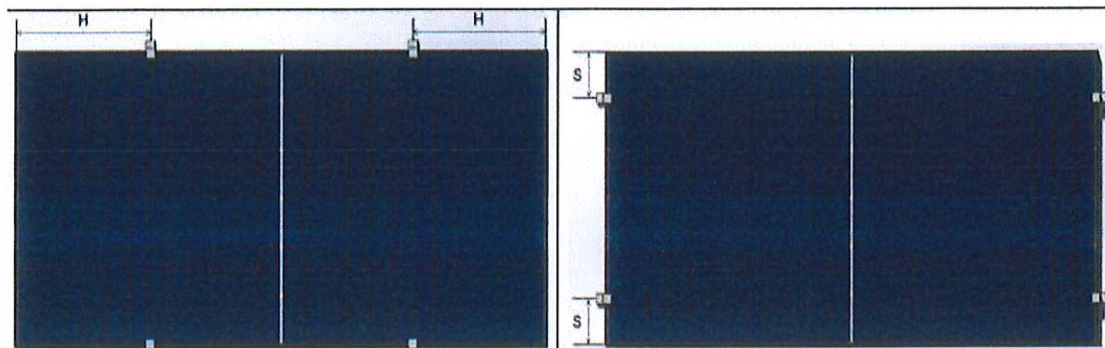
This letter shall confirm that the HW4 products from JA Solar listed above (see "subject") can be installed as follows. All loads are test loads.

Standard installation:



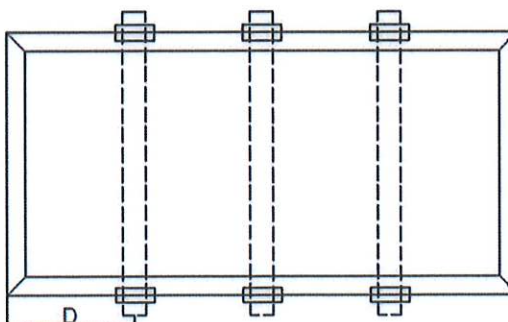
Installation methods Module type	Inner four holes, mounting rails cross the long frame	Clamps, mounting rails parallel the long frame $S=1/4L\pm50$	Clamps, mounting rails cross the long frame $S=1/4L\pm50$	Outer four holes, mounting rails parallel the long frame	Outer four holes, mounting rails cross the long frame
JAM54D40 LB (2.8+2.0mm glass)	+6500/-4000	+3600/-2400	+6500/-4000	+3600/-2400	+3600/-2600
JAM54D41 LB (2.8+2.0mm glass)	+6500/-4000	+3600/-2400	+6500/-4000	+3600/-2400	+3600/-2600
JAM54D40 LB (3.2+2.0mm glass)	+6500/-4000	+3600/-2400	+6500/-4000	+3600/-2400	+3600/-2600
JAM54D41 LB (3.2+2.0mm glass)	+6500/-4000	+3600/-2400	+6500/-4000	+3600/-2400	+3600/-2600

Rail less clamping installation:



Installation methods Module type	Long side clamping (4pcs) $\frac{1}{4} \pm 50\text{mm}$;	Short side clamping (4pcs) $0 \leq S \leq 235\text{mm}$;
JAM54D40 LB (2.8+2.0mm glass)	+3600/-2400	+1600/-1600
JAM54D41 LB (2.8+2.0mm glass)	+3600/-2400	+1600/-1600
JAM54D40 LB (3.2+2.0mm glass)	+3600/-2400	+1600/-1600
JAM54D41 LB (3.2+2.0mm glass)	+3600/-2400	+1600/-1600

Enhanced clamping installation:



Module type	Installation methods	Clamps, mounting rails cross the long frame $D=1/4L\pm50$
JAM54D40 LB (2.8mm+2.0mm glass)		+8000/-5000
JAM54D41 LB (2.8mm+2.0mm glass)		+8000/-5000
JAM54D40 LB (3.2mm+2.0mm glass)		+8000/-5000
JAM54D41 LB (3.2mm+2.0mm glass)		+8000/-5000

- 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.
- 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.

Shanghai JA Solar PV Technology Co. Ltd.

16.10.2025

This document is valid without signature.

