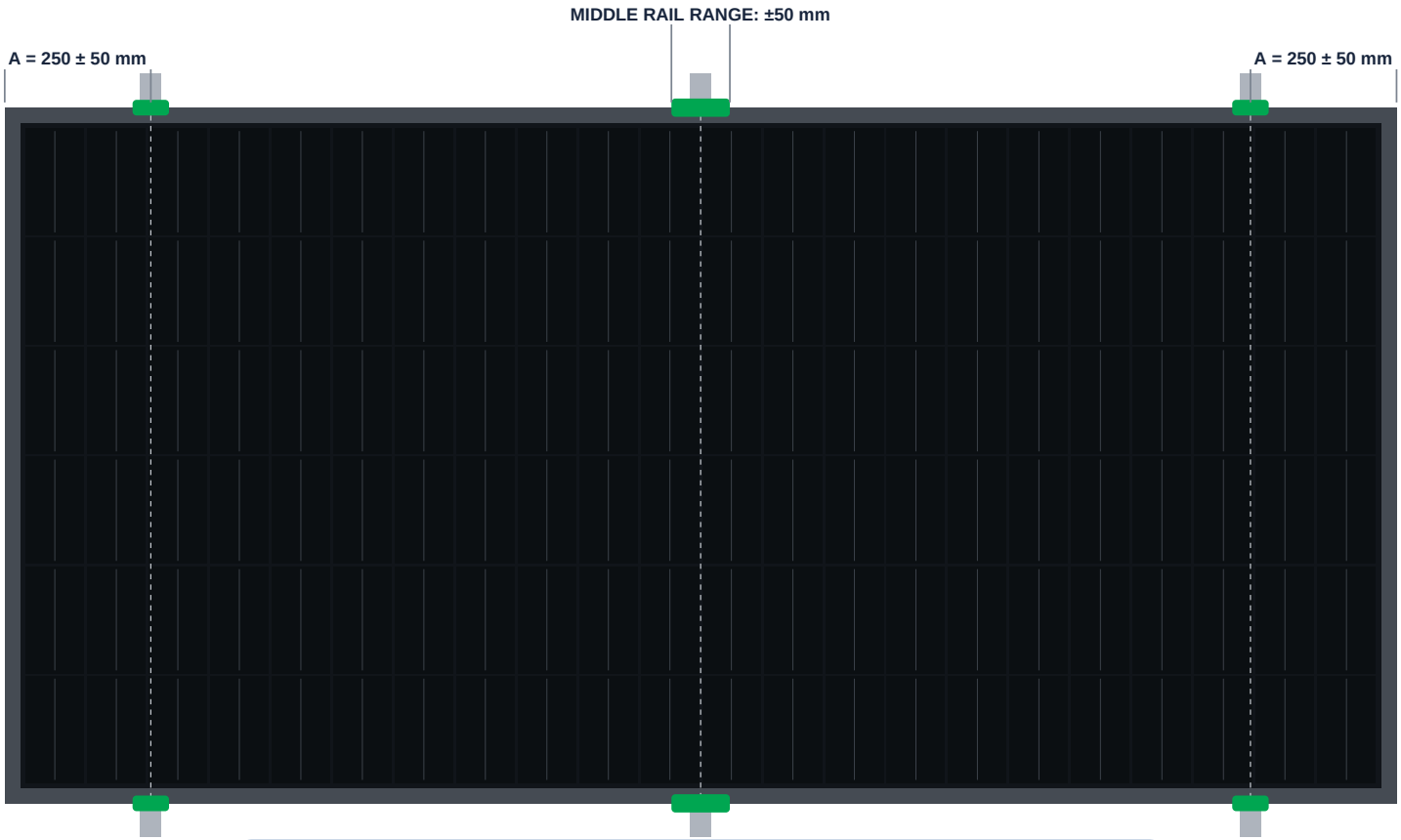
Installation Guideline

Long-frame clamping - 3-rail mounting / six clamps

APPLICABLE PRODUCT	TCL Solar C2 M (HSM-BD66-GR645~670) TCL Solar Half-cut TOPCon (HSM-ND66-GR615~650)	MODULE SIZE	2382 x 1134 x 30 mm

MIDDLE RAIL - ADJUST WITHIN ±50 mm; DO NOT CONTACT JUNCTION BOX / CABLES



RECOMMENDED STATIC LOAD RATING - BASED ON TEST

+6000 / -3000 Pa

+ = front pressure; - = uplift

INSTALLATION BASIS

A is the rail/clamp centreline distance from each short edge to the nearest outer rail: 250 ± 50 mm. Set the middle rail at the midpoint between the outer rails, with a ±50 mm adjustment range. It shall not contact the junction box or cables.

WHY THIS SUPPORT LAYOUT

Dimension A limits the unsupported end overhang. The middle rail shortens the effective span and distributes pressure and uplift through six clamps; the ±50 mm adjustment provides clearance from the junction box and cables.

IMPORTANT - CONDITIONS AND LIMITATIONS

Ratings are based on the supplied static-load test result and the illustrated support geometry. They do not replace project-specific structural verification. Use approved clamps, torque and rails, and comply with the latest TCL Solar installation manual and applicable codes. Any deviation requires prior TCL approval.

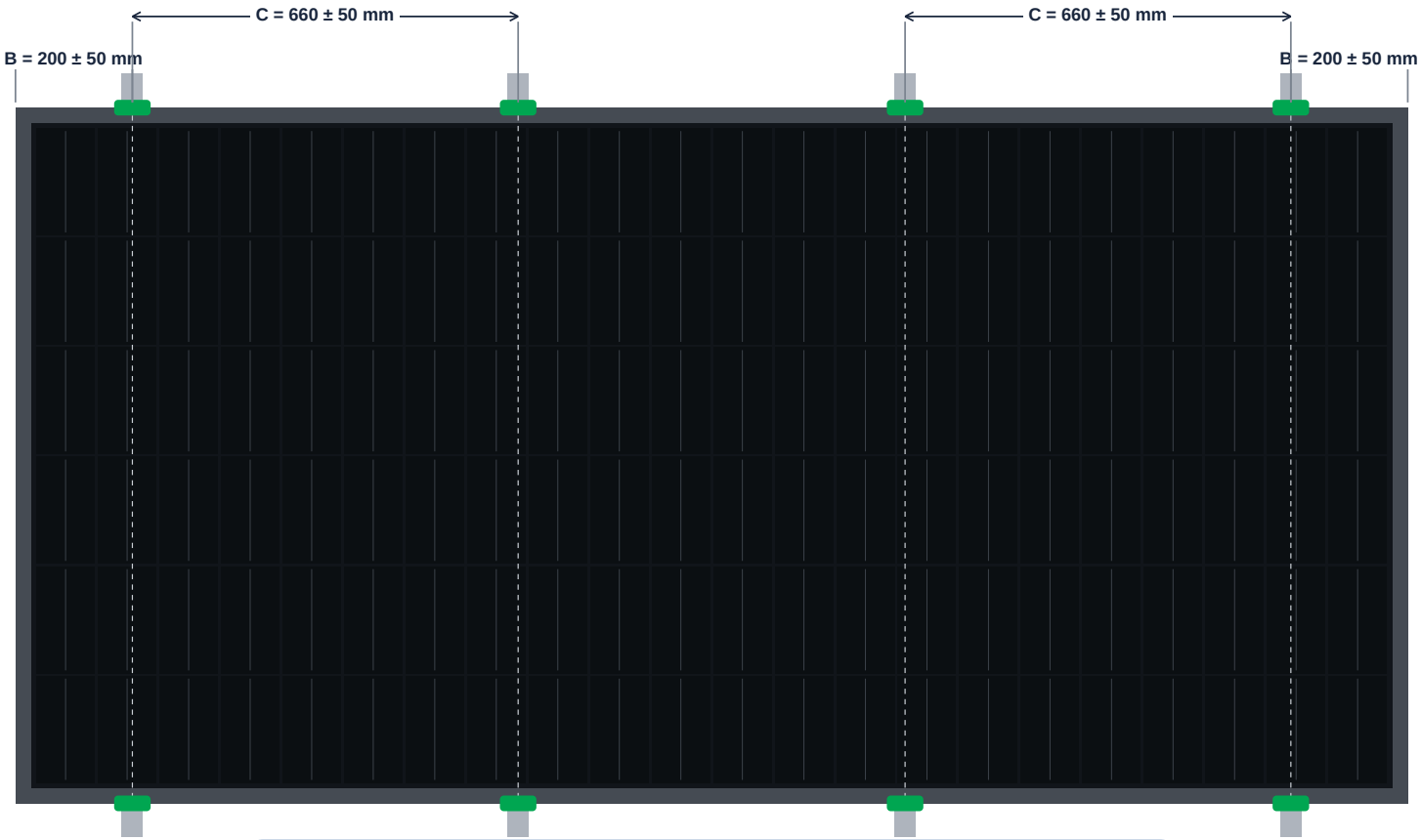
Warranty coverage is governed solely by the applicable TCL Solar limited warranty and approved installation documents.

Installation Guideline

Long-frame clamping - 4-rail mounting / eight clamps

APPLICABLE PRODUCT	TCL Solar C2 M (HSM-BD66-GR645~670) TCL Solar Half-cut TOPCon (HSM-ND66-GR615~650)	MODULE SIZE	2382 x 1134 x 30 mm

B: SHORT EDGE TO OUTER RAIL | C: OUTER RAIL TO ADJACENT INNER RAIL



RECOMMENDED STATIC LOAD RATING - BASED ON TEST

+7000 / -4000 Pa

+ = front pressure; - = uplift

INSTALLATION BASIS

B is the centreline distance from each short edge to the nearest outer rail: 200 ± 50 mm. C is the centreline distance from the first outer rail to the adjacent second rail on each side: 660 ± 50 mm.

WHY THIS SUPPORT LAYOUT

Dimension B controls the end overhang, while dimension C positions the inner supports to create nearly equal structural spans. Four rails and eight clamps distribute load more evenly, supporting the higher tested pressure and uplift values.

IMPORTANT - CONDITIONS AND LIMITATIONS

Ratings are based on the supplied static-load test result and the illustrated support geometry. They do not replace project-specific structural verification. Use approved clamps, torque and rails, and comply with the latest TCL Solar installation manual and applicable codes. Any deviation requires prior TCL approval.

Warranty coverage is governed solely by the applicable TCL Solar limited warranty and approved installation documents.