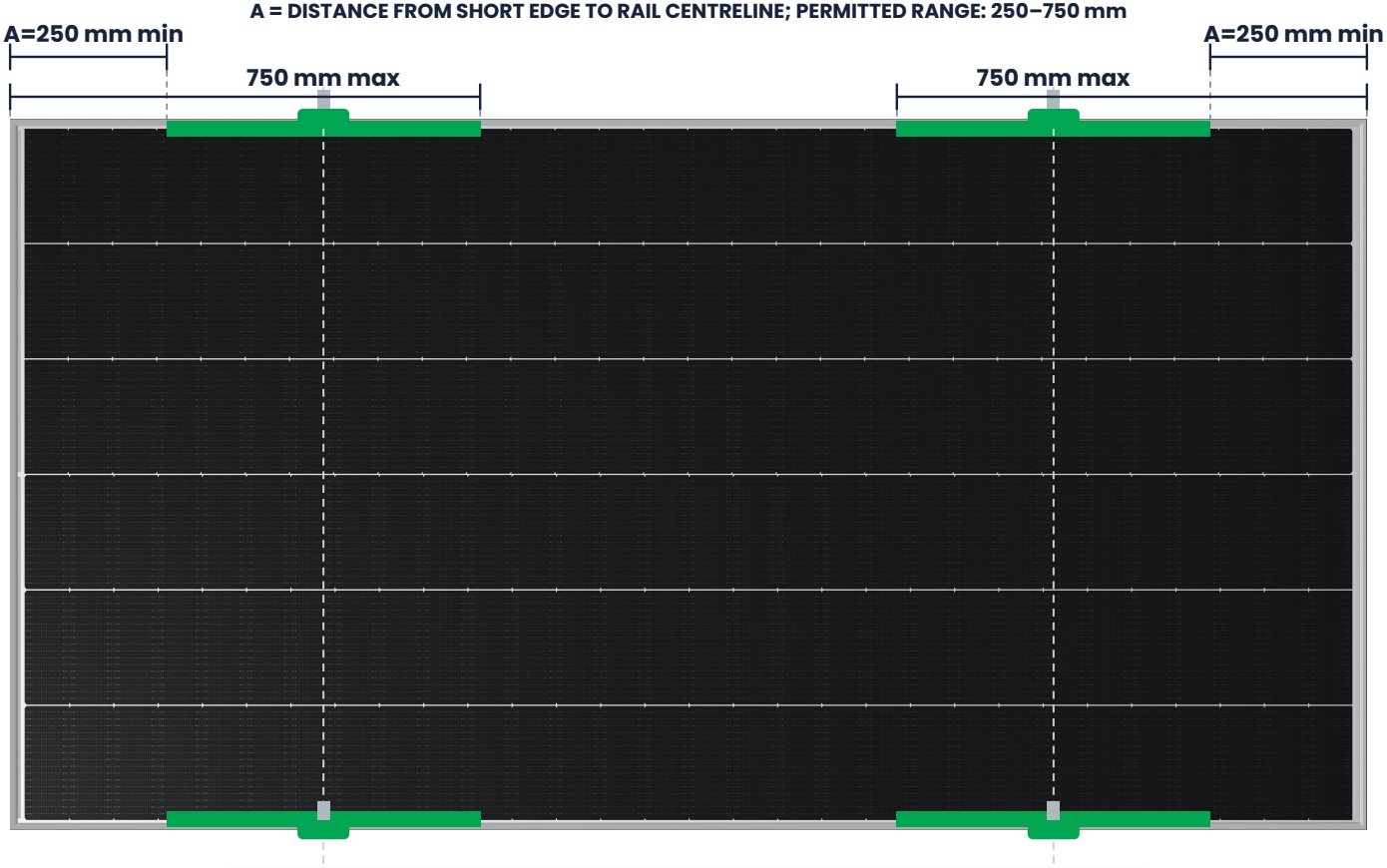
SUNPOWER

Installation Guideline

Long-frame clamping - 2-rail mounting / four clamps

APPLICABLE PRODUCTS SunPower Performance 8 COM (HSM-GHJ-NM580~590) **MODULE SIZE** 2165×1134×30 mm

A = DISTANCE FROM SHORT EDGE TO RAIL CENTRELINE; PERMITTED RANGE: 250–750 mm



RECOMMENDED STATIC LOAD RATING - BASED ON TEST

+5400 / -2400 Pa

+ = front pressure; - = uplift

INSTALLATION BASIS

A is the distance from each short edge to the rail/clamp centreline. Each rail may be positioned within 250–750 mm from the nearest short edge.

WHY THIS SUPPORT LAYOUT

Two rails and four clamps provide the tested support condition while allowing a wide installation range for the outer supports.

IMPORTANT - CONDITIONS AND LIMITATIONS

Ratings apply only to the illustrated support geometry and listed products. They do not replace project-specific structural verification. Use approved clamps, torque and rails in accordance with the latest installation manual and applicable codes. Any deviation requires prior approval from TCL SunPower. Warranty coverage is governed by the applicable TCL SunPower limited warranty and approved installation documents.

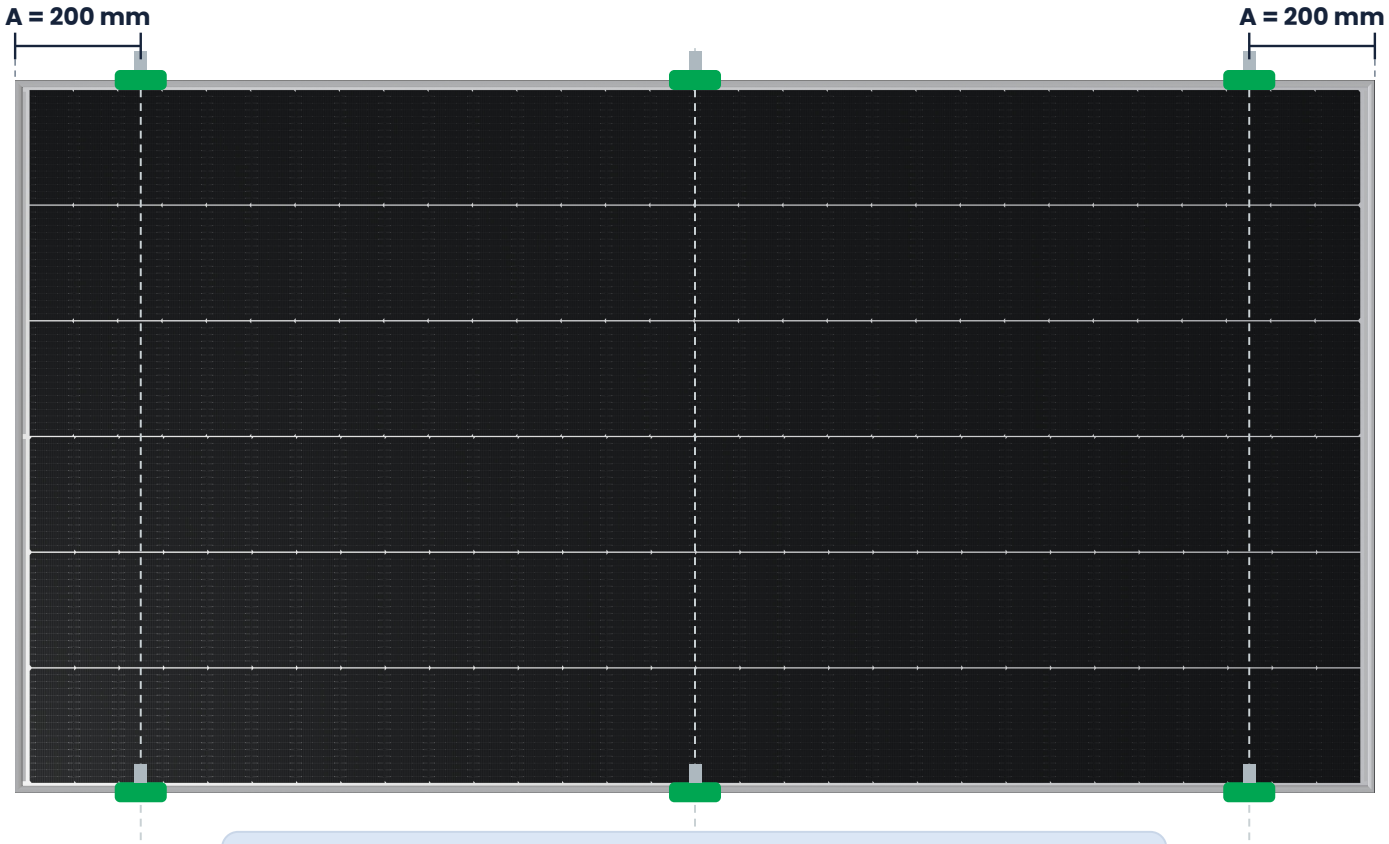
SUNPOWER

Installation Guideline

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

APPLICABLE PRODUCTS SunPower Performance 8 COM (HSM-GHJ-NM580~590) **MODULE SIZE** 2165×1134×30 mm

OUTER RAILS: 200 mm FROM EACH SHORT EDGE; MIDDLE RAIL: KEEP CLEAR OF JUNCTION BOX / CABLES



RECOMMENDED STATIC LOAD RATING - BASED ON TEST

+8000 / -4800 Pa

+ = front pressure; - = uplift

INSTALLATION BASIS

A is the rail/clamp centreline distance from each short edge to the nearest outer rail: 200 mm. Position the middle rail between the outer rails (shown at the midpoint) and keep it clear of the junction box and cables.

WHY THIS SUPPORT LAYOUT

The middle rail shortens the unsupported span and distributes pressure and uplift through six clamps.

IMPORTANT - CONDITIONS AND LIMITATIONS

Ratings apply only to the illustrated support geometry and listed products. They do not replace project-specific structural verification. Use approved clamps, torque and rails in accordance with the latest installation manual and applicable codes. Any deviation requires prior approval from TCL SunPower. Warranty coverage is governed by the applicable TCL SunPower limited warranty and approved installation documents.

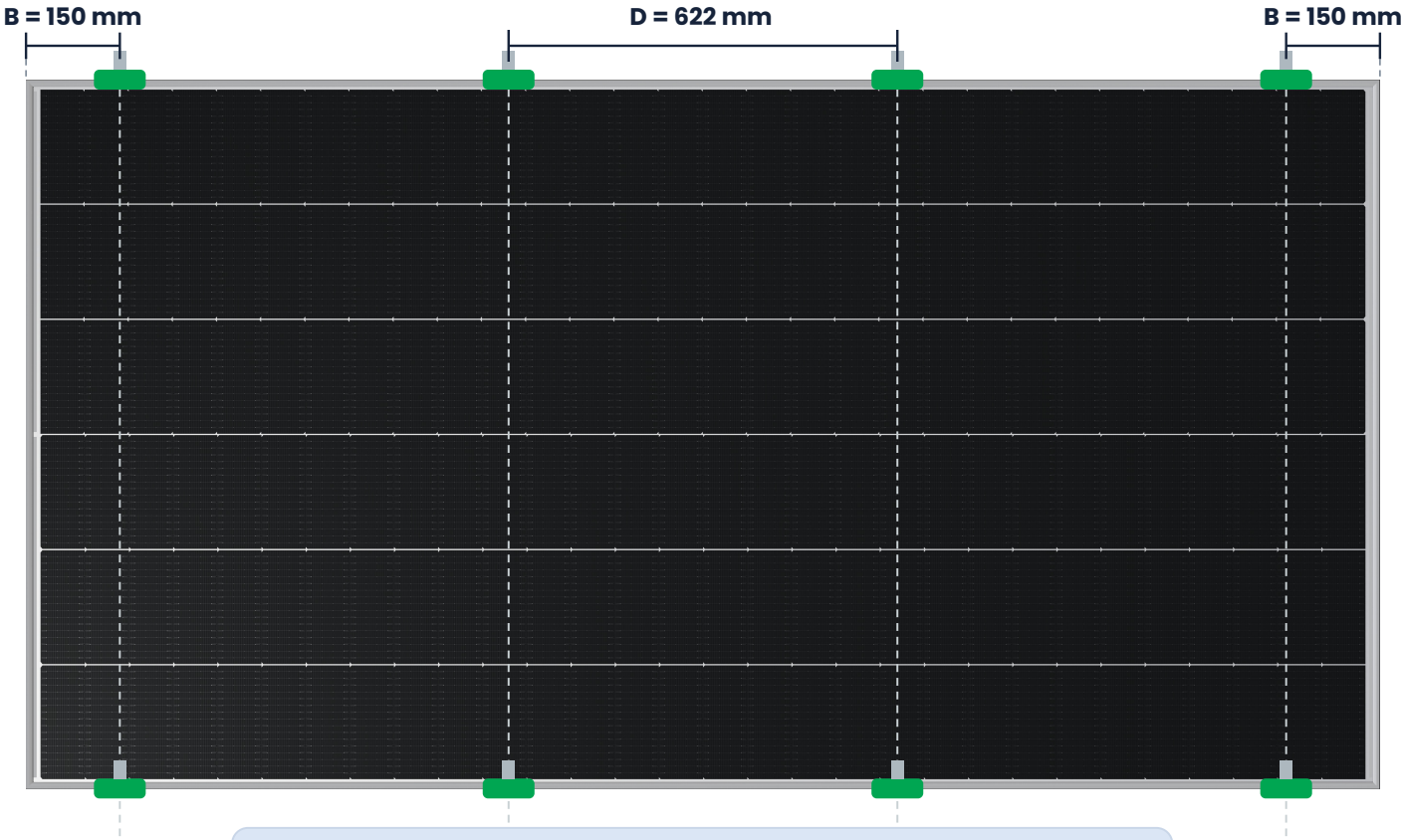
SUNPOWER

Installation Guideline

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

APPLICABLE PRODUCTS SunPower Performance 8 COM (HSM-GHJ-NM580~590) **MODULE SIZE** 2165×1134×30 mm

OUTER RAILS: 150 mm FROM EACH SHORT EDGE; INNER RAILS EQUALLY SPACED; KEEP CLEAR OF JUNCTION BOX / CABLES



RECOMMENDED STATIC LOAD RATING - BASED ON TEST

+9000 / -5400 Pa

+ = front pressure; - = uplift

INSTALLATION BASIS

B is the rail/clamp centreline distance from each short edge to the nearest outer rail: 150 mm. Set equal spacing D = (2165 - 2×150) / 3 = 621.7 mm, rounded to 622 mm, between adjacent rails. Keep all rails clear of the junction box and cables.

WHY THIS SUPPORT LAYOUT

Four rails and eight clamps distribute the applied load through four equally spaced support lines and reduce unsupported spans, supporting the highest tested load rating.

IMPORTANT - CONDITIONS AND LIMITATIONS

Ratings apply only to the illustrated support geometry and listed products. They do not replace project-specific structural verification. Use approved clamps, torque and rails in accordance with the latest installation manual and applicable codes. Any deviation requires prior approval from TCL SunPower. Warranty coverage is governed by the applicable TCL SunPower limited warranty and approved installation documents.