

Mechanical mounting

All mechanical pressure values indicated in this manual are design figures, this means that test values are 1,5 times greater, for instance if the modules are declared to withstand 1600 Pa pressure, it means they were tested at 2400 Pa pressure.

Mounting rails

Please observe the safety regulations and installation instructions included with the mounting rail. If necessary please contact the supplier directly for further information.

The modules must be safely set onto the mounting rail. The whole rail supporting the photovoltaic system must be strong enough to resist potential mechanical pressures caused either by wind or snow, in accordance with local, regional and state safety (and other associated) standards.

Make sure that the mounting rail will not deform or affect the modules when it expands as a result of thermal expansion.

The mounting rail must be made of durable, anti-corrosive and UV-resistant materials.

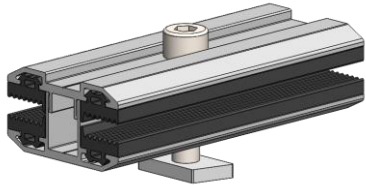
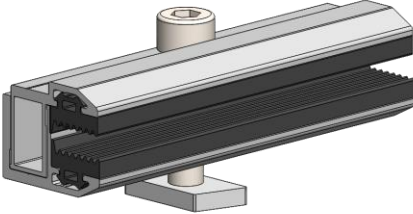
Mounting with clamps

SoliTek has tested its modules with Alumero CLICK 6.8 clamps. Use at minimum 4 clamps to fix modules on the mounting rails. Modules clamps metal parts should not come into contact with the front or back glass. When choosing this type of clamp-mounting method, use at least four clamps on each module; two clamps should be attached on each long side. Depending on local wind and snow loads, additional clamps may be required to ensure that modules can bear the load.

Applied torque should refer to mechanical design standard according to the bolt customer is using. It is recommended to use only certificated equipment for the PV plant installation.

Alumero CLICK 6.8 clamps tightening torque should be at least 15 Nm, but not greater than 20 Nm. Usually 15 Nm is reached when two aluminium profiles touch each other. When using other mounting clamps please refer to manufacturers recommendations.

Table 1. Laminated, CLICK 6.8 type, clamp details

Product	Visualisation	Lenght options:	Material / surface
Laminate middle clamp CLICK 6.8		1. 150mm 2. 200mm	EN AW 6063/ T66; EPDM; mill finish / black
Laminate end clamp CLICK 6.8		1. 150mm 2. 200mm	EN AW 6063/ T66; EPDM; mill finish / black

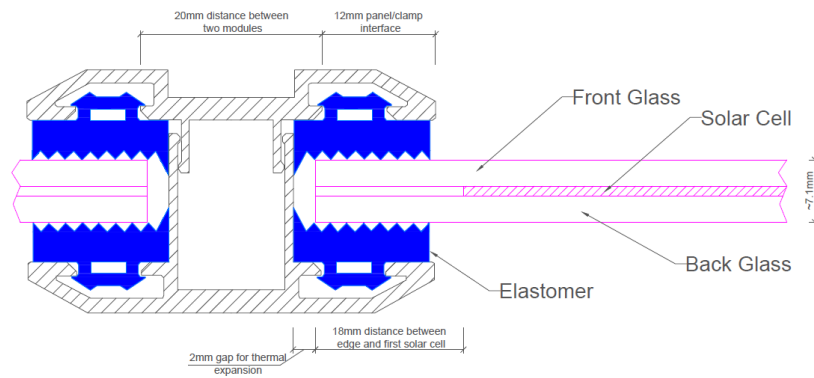


Figure 1. Recommended clamp dimensions for the SoliTek PV Glass-Glass modules