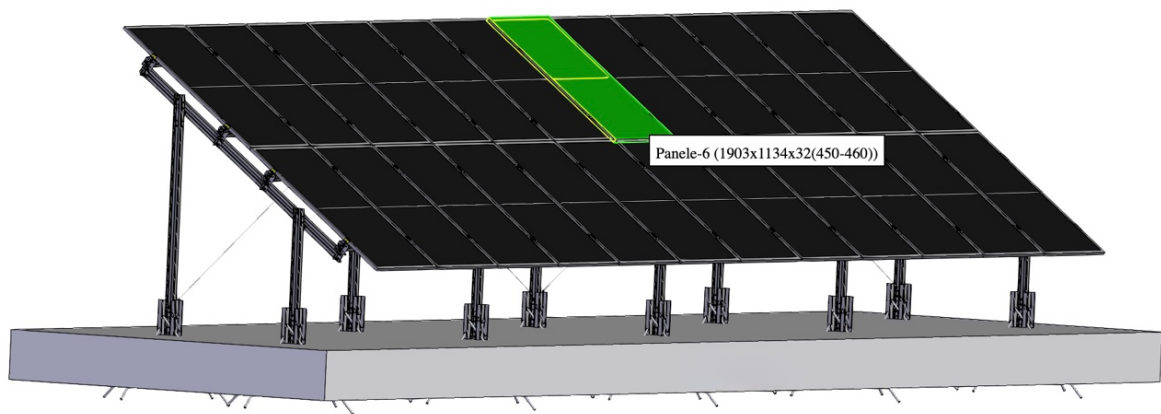


SF-V2-M36-B 4Root system

3D virtual model

Press the button below to view the construction from all angles. You can remove any part and zoom in on any detail. Familiarize yourself thoroughly with the construction and make an informed decision. You'll be able to download the assembly drawing of the construction.

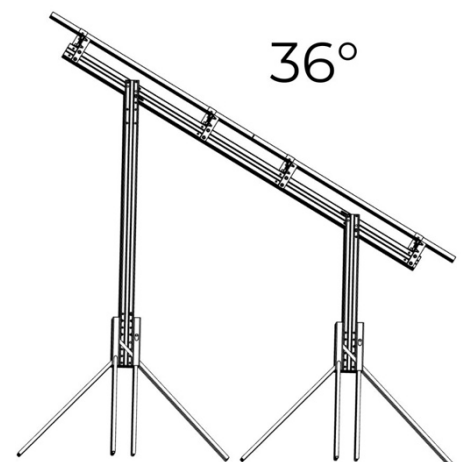


36° angle for Lithuania

The structures most commonly installed in Lithuania are made and intended for Poland or Germany market.

Lithuania is geographically more north, so the optimum tilt angle differs from our neighbors. The optimum mathematically calculated angle is 36°.

We produce a structure with a 36° tilt angle, hence our slogan "Made in Lithuania and designed for Lithuania".



14% stronger construction

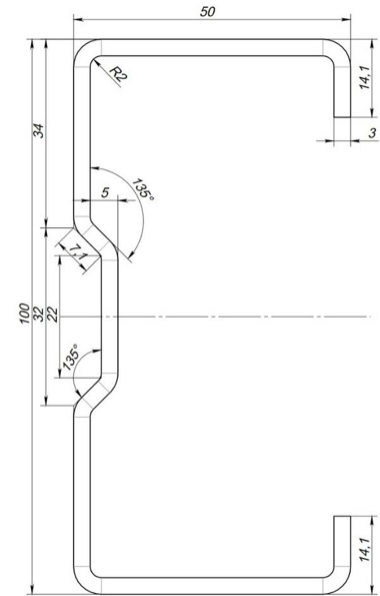
Constructions most frequently transported to Lithuania are from Poland. They are made from C-profile, which is commonly used in the construction industry and has been adapted for the production of solar power plant structures.

Our engineers assessed the resistance to bending and twisting of the C-profile and concluded that it is not the most optimal choice for a solar power plant structure.

By using the same amount of material, we have created a more advanced SIGMA profile. It is approximately 14% more resistant to bending loads and even approximately 23% more resistant to twisting loads.

Computer simulations and physical tests were conducted at Kaunas University of Technology (KTU).

By using the same amount of materials, we can offer a stronger construction for the same price.

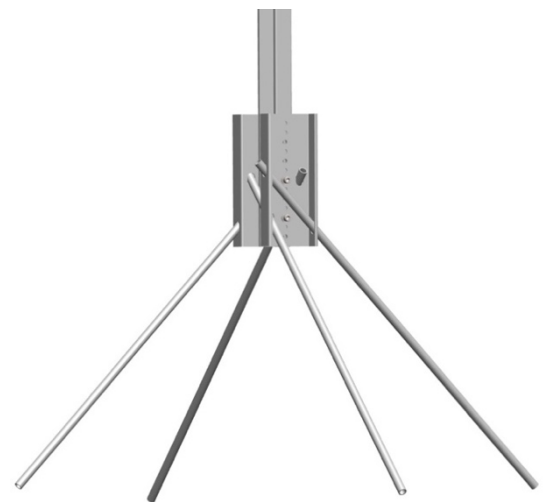


No heavy machinery needed

No heavy equipment is needed for the construction.

Adjustable diagonal strips are used for ground anchoring.

They are driven into the ground with a simple rotary hammer. This way, we avoid the use of heavy machinery, which is expensive and can damage the existing yard environment.



High-quality material

The construction is made of the highest quality galvanized steel. (Prime galvanized Low Carbon steel DX51D Z330 according to EN-10346)
According to EU and LT construction standards, steel with a 275 g/m² (23 microns) zinc coating is used everywhere, which comes with a warranty of up to 25 years.

On our part, we use a zinc coating of 330 g/m² (approximately 25 microns thick coating), which is 20% more zinc in terms of quantity than required by regulations.

For example, take a look at the old (Soviet-era) apartment building facades, which haven't rusted in over 40 years.



Metal thicknesses

The structure has 2 variants. They differ in metal thickness.

Version 3.0 / 2.0 / 2.0

- Supporting legs made of 3mm metal
- Crossbeams made of 2mm metal*
- Longitudinal beams made of 2mm metal*

Version 3.0 / 2.0 / 1.5

- Supporting legs made of 3mm metal
- Crossbeams made of 2mm metal*
- Longitudinal beams made of 1.5mm metal*

Calculated using Construction Technical Regulation No. STR 2.05.04:2003 'Effects and Loads'.

*Prime galvanized Low Carbon steel DX51D Z330 according to EN-10346

Experienced installers can assemble a ground-mounted 10kW solar power system structure in approximately 5 hours.



