



Solar
Panel
Mounting
Systems

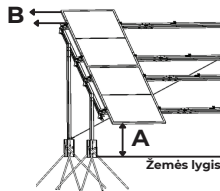
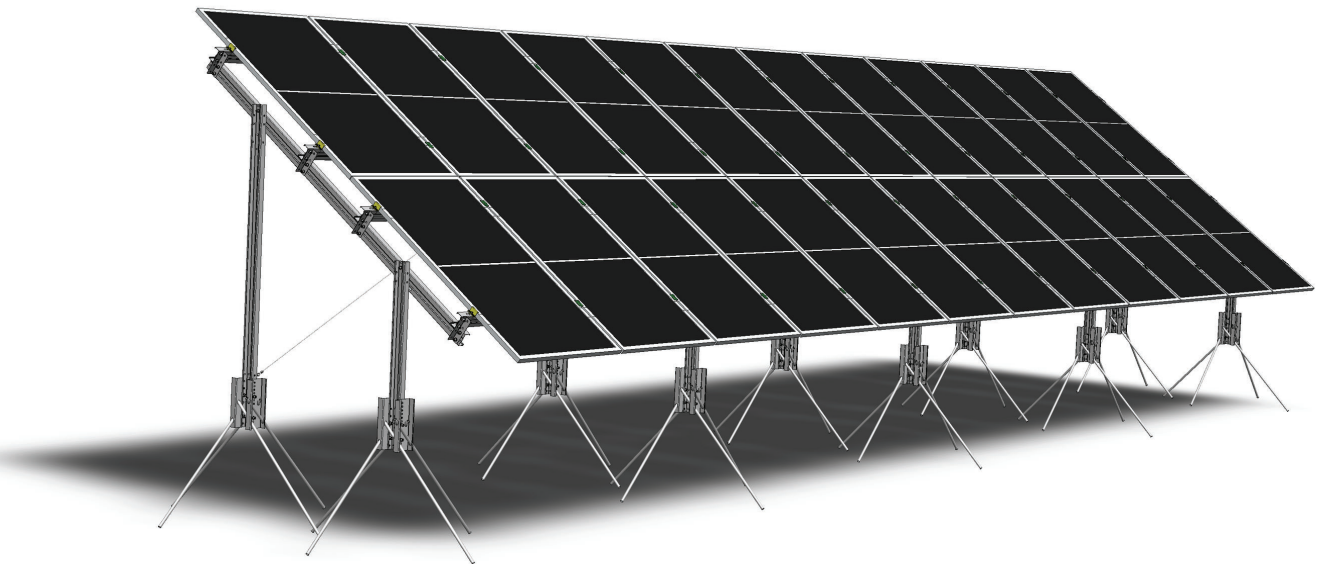
KO-V2M36-systems

MONO-FACIAL

Angle: 36°

Material: Prime galvanized Low Carbon steel DX51D Z330 or
structural steel S350GD + ZM310 (part of the Magnelis® product range)
produced according to EN 10346:2015

KO- Kozero / V - vertikali / 2-dvi eilės / M-monofacial / 36- kampas 36° laipsniai



Modulių išdėstymas:

- Vertical
- Two rows
- Modular assembly
6 solar panels each
(6/12/18/24/30/36...)

Solar panel (mm)	Ground clearance "A" (mm)	Panel protrusion "B"(mm)
1134X1722	855	297
1134X1902	748	478
1134X2279*	528	479*

*It is necessary to change the standard crossbar to an extended one (3600 mm long)



Kozero Systems LT, UAB
Ežero g. 14, Didžiasalio k., Vilniaus r.
Įm. kodas: 305980216

+370 680 00808
info@kozero.lt
www.kozero.lt



KO-V2M36-systems

✓ ANGLE STABILIZER



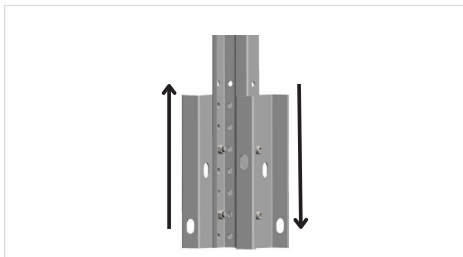
Reduces longitudinal torque of the crossbar

✓ "4ROOT" SISTEMA



Four "roots" are driven into the ground with a hand punch. There is no need for concreting work and heavy pole-forging equipment, which is not only expensive, but also damages the environment with caterpillars.

✓ ADJUSTABLE LEG'S "BOOTS"



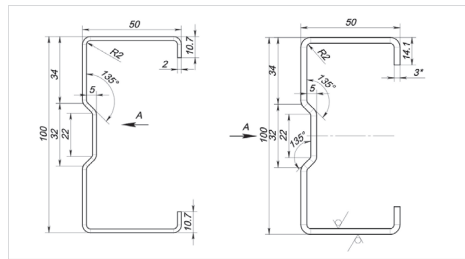
Thanks to the "shoes", the height of each leg can be adjusted, thus stabilizing the "table" on the ground before fixing it.

✓ "HELICOPTER" CLAMP TIGHTENING SYSTEM



"Helicopter" nuts are used instead of conventional nuts. That allows installation from one side of the solar module, that makes the assembly easier.

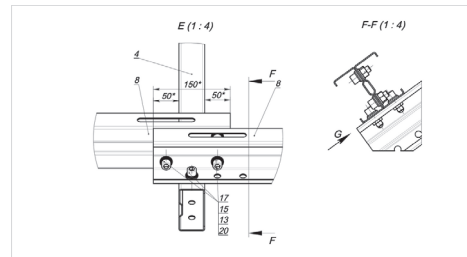
✓ SIGMA PROFILE



~14% more resistant to bending loads;*
~23% more resistant to torsional loads.*

*Compared to C profile

✓ LATERAL JOINING OF LONGITUDINALS



Lateral joining of the longitudinals introduces another stabilization attachment's plane. This significantly strengthens the structure compared to a simple horizontal connection using a separate connectors.

CONSTRUCTION MATERIAL THICKNESS

☑️ VERSIJA: 3.0/2.0/1.5



3 mm thickness of the "legs"
2 mm thickness of transverses
1.5 mm thickness of longitudinal
The calculation was carried out with the following loads: snow load up to 1.6 kN/m², wind up to 24 m/s

☑️ VERSIJA: 3.0/2.0/2.0



3 mm storio kojės
2 mm storio skersinės
2 mm storio išilginės
Skaiciavimas atliktas su šiomis apkrovomis:
sniego apkrova iki 1.2 kN/m², vėjas iki 32 m/s

CERTIFICATES AND WARRANTIES

Management system certificates

ISO 9001:2015 / Quality management system

ISO 14001:2015 / Standards for environmental

ISO 45001: 2018 / International standards

for occupational health & safety

Product certificates

LST EN 1090-4:2018

Coating warranty

The coating of mounting systems is guaranteed according to ISO 9223 atmospheric corrosion category up to C4 (according to ISO1461 /ASTM A123 and ISO3575).

Fastening parts

Aluminum clamps are produced from aluminum alloy AlMg0.7Si (6060/6063) according to EN573 standard. Aluminum profiles are anodized according to the ISO 7599:2018 standard. Its thickness is not less than 15 microns. Fasteners connecting steel profiles are made of A2-70 stainless steel or galvanized steel (matter of choice) according to ISO3506-1:2009 standard.



Withstanding harsh environment

Reliable quality leads to a better sustainability even in harsh coastline environment



Extended wind and snow load tests

The system is certified to withstand extreme wind and snow loads. Calculations are made according to:

- EN 1990:2002
- EN 1991-1-3 (2003) Eurocode 1: Actions on structures – Part 1-3: General actions – Snow loads;
- EN 1991-1-4 (2005) Eurocode 1: Actions on structures – Part 1-4: General actions – Wind actions;
- Construction Technical Regulation STR 2.05.04:2003 Effects and Loads.

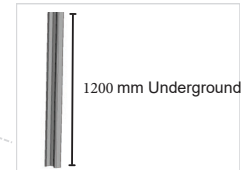
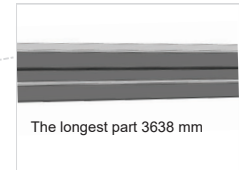
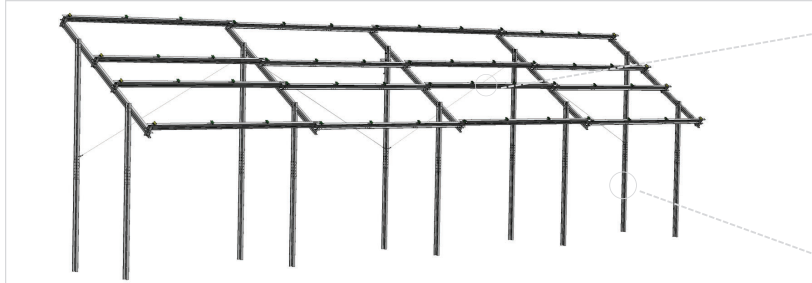


System warranty

The manufacturer provides a 10-year warranty for installation systems, taking into account the requirements of the installation user manual and the work project drawings.

DESIGN OPTIONS

☑ KO-V2M36-A

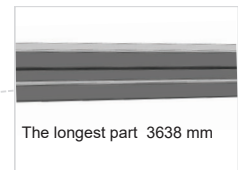
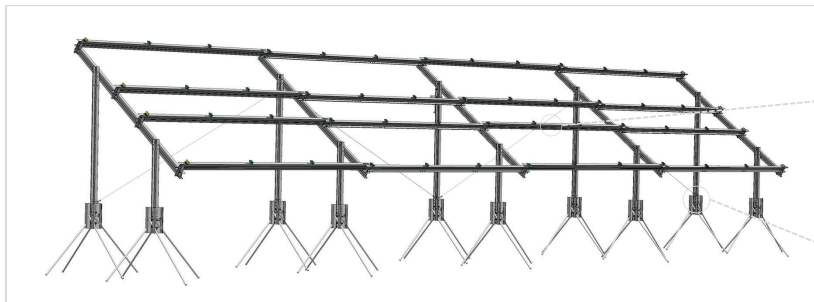


Longitudinal: solid (not packed on a pallet due to length).

Packaging: the longest part - one piece longitudinal 3638 mm.

Leg type: driven into the ground (depth underground - 1200 mm).

☑ KO-V2M36-B



Longitudinal: solid (not packed on a pallet due to length).

Packaging: the longest part - one piece longitudinal 3638 mm.

Leg type: "boots" with "4Root" rod system