



## Pro Solar Tech | Solar Power Plants, Solar EPC & Ground Mounted Solar Systems

Pro Solar Tech delivers large-scale solar power plants with complete Solar EPC solutions and high-quality ground mounted solar systems for reliable, cost-effective energy generation.

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## Technical Data Sheet – Ground Mounted Solar Panels 2P-7

### Technical Characteristics

Capacity	14 photovoltaic panels
Compatible panel size	2278 x 1134 x 30 mm
Foundation system	Rammed galvanized steel posts, 1500 mm depth
Tilt angles	20°, 23°, 25°, 28°, 30° (other variants available on request)

### Compatible Photovoltaic Panels

The Ground Mounted Solar Panels 2P-7 is optimized for standard modules with dimensions of 2278 x 1134 x 30 mm. This is one of the most common formats in the PV industry. On request, structures can also be engineered to support alternative panel sizes or thicknesses, ensuring full compatibility with diverse module types.

### Structure Components



**5 support poles:** Galvanized steel posts driven 1500 mm into the soil, ensuring reliable stability under wind and snow loads while transferring forces safely into the ground.



**5 main beams:** Longitudinal galvanized beams connecting the support poles, distributing loads evenly and ensuring structural stability with factory-drilled accuracy.



**8 cross purlins:** Transverse members supporting and aligning the modules. They resist uplift forces and guarantee even distribution of loads across the array.



**2 bracing members:** Diagonal elements that add rigidity and prevent torsional movement. They keep the system aligned and stable even in dynamic wind conditions.



**Set of high-strength galvanized bolts (class 8.8):** Durable industrial fasteners designed to maintain preload and corrosion resistance, ensuring strong joints with minimal maintenance.



**Aluminum clamps:** Anodized clamps for mid and end positions, securing modules firmly without damaging frames. Stainless hardware ensures long-term compatibility and grip.

### Note

Installation services are not included in the delivery.

**Pro Solar Structures** – We are direct manufacturers with a wide range of ground mounting systems available in stock. Immediate delivery from our warehouse ensures your projects are executed without delays.