



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 systems 6L-14, Concrete pier

Technical Characteristics

Capacity	84 photovoltaic panels
Compatible panel size	2278 × 1134 × 30 mm
Foundation system	Galvanized steel poles in concrete piers
Tilt angles	8°, 10°, 12°, 15° (other options available)

Compatible Photovoltaic Panels

This system is optimized for modules with dimensions of 2278 × 1134 × 30 mm, considered a standard size across the photovoltaic industry. On request, structures can be engineered to support alternative panel sizes or thicknesses, ensuring full compatibility with various module types.

Structure Components



18 support poles: Galvanized steel poles anchored 1000 mm deep into concrete piers, ensuring stability against wind and snow loads.



9 main beams: Hot-dip galvanized longitudinal beams distributing loads evenly across the structure.



60 cross purlins: Provide alignment and support for solar modules, maintaining consistent orientation.



4 bracing members: Ensure structural rigidity, preventing torsion and vibration.



Set of high-strength galvanized bolts (class 8.8): Corrosion-resistant fasteners that guarantee reliable connections.



Aluminum clamps: Durable clamps that secure panels without damaging frames.

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.