



## 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.

office@prosolarstructures.com | prosolarstructures.com

## Technical Data Sheet – Ground mounted solar systems 4P-7 East-West

### Technical Characteristics

Capacity	28 photovoltaic panels
Compatible panel size	2278 x 1134 x 30 mm
Foundation system	Rammed galvanized steel posts, 1500 mm depth
Tilt angles	8°, 10°, 12°, 15° (optimized for East-West configuration)

### Compatible Photovoltaic Panels

The Ground mounted solar systems 4P-7 East-West is optimized for standard modules with dimensions of 2278 x 1134 x 30 mm. This is a widely used size across the industry. On request, structures can also be engineered to support alternative panel sizes or thicknesses, ensuring full compatibility with diverse module types.

### Structure Components



**8 support poles:** Hot-dip galvanized steel posts rammed 1500 mm into the ground, providing a strong, concrete-free foundation.



**4 main beams:** Longitudinal galvanized beams that distribute loads evenly across the structure.



**16 cross purlins:** Provide alignment and support for solar modules, ensuring consistent spacing and stability.



**2 bracing members:** Diagonal braces that prevent torsion and provide overall rigidity to the structure.



**Set of high-strength galvanized bolts (class 8.8):** Industrial-grade fasteners that ensure secure connections with corrosion resistance.



**Aluminum clamps:** Lightweight, corrosion-resistant clamps that secure panels firmly 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.