



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 PV panels 3P-18 East-West

Technical Characteristics

Capacity	108 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° (optimized for East-West configuration)

Compatible Photovoltaic Panels

The Ground mounted PV panels 3P-18 East-West is optimized for standard modules with dimensions of 2278 x 1134 x 30 mm. This size is widely used in the solar industry. On request, structures can also be engineered to support alternative panel sizes or thicknesses, ensuring full compatibility with diverse module types.

Structure Components



36 support poles: Galvanized steel posts rammed 1500 mm into the ground, providing a robust foundation without concrete.



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



48 cross purlins: Provide alignment and support for solar modules, ensuring consistent spacing and orientation.



8 bracing members: Diagonal braces that increase rigidity and prevent torsion under wind loads.



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



Aluminum clamps: Durable, corrosion-resistant clamps that hold the modules securely 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.