



## 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 Mount Systems Agrivoltaics PV

## Technical Characteristics

Application	Agricultural solar co-location (crops, orchards, livestock)
Capacity	Configurable – supports a flexible number of panels
Compatible panel type	All commercial photovoltaic modules
Foundation system	Rammed galvanized steel posts (depth based on geotechnical report)
Tilt angles	6° – 10° (other variants available on request)
Material	Galvanized steel S235-S355 ZN 275
Delivery time	15 days for 1 MWp installed capacity

## Compatible Photovoltaic Panels

The Agrivoltaics PV canopy is compatible with all commercial photovoltaic modules. The system can be customized to match different panel dimensions and frame profiles, ensuring maximum flexibility for developers and agricultural operators.

## Structure Components



**2 support poles:** Heavy-duty galvanized steel columns that anchor the canopy securely, providing the main load-bearing support while minimizing ground disturbance.



**Main beams:** Longitudinal beams interconnecting the poles, evenly distributing weight and ensuring rigidity across the canopy structure.



**Cross purlins with integrated cable tray:** Innovative transverse elements that not only support the solar modules but also function as built-in trays for 6 mm<sup>2</sup> DC cables, reducing installation costs.



**Bracing members:** Diagonal reinforcements that increase rigidity, preventing torsional stress and keeping the canopy stable under wind and seismic loads.



**Set of high-strength galvanized bolts (class 8.8):** Industrial-grade fasteners designed for secure, corrosion-resistant joints, ensuring structural reliability over decades of use.



**Aluminum clamps:** Universal mid and end clamps for photovoltaic modules, ensuring fast, secure, and durable attachment without damaging the module frames.

## Note

Installation services are not included in the delivery.

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