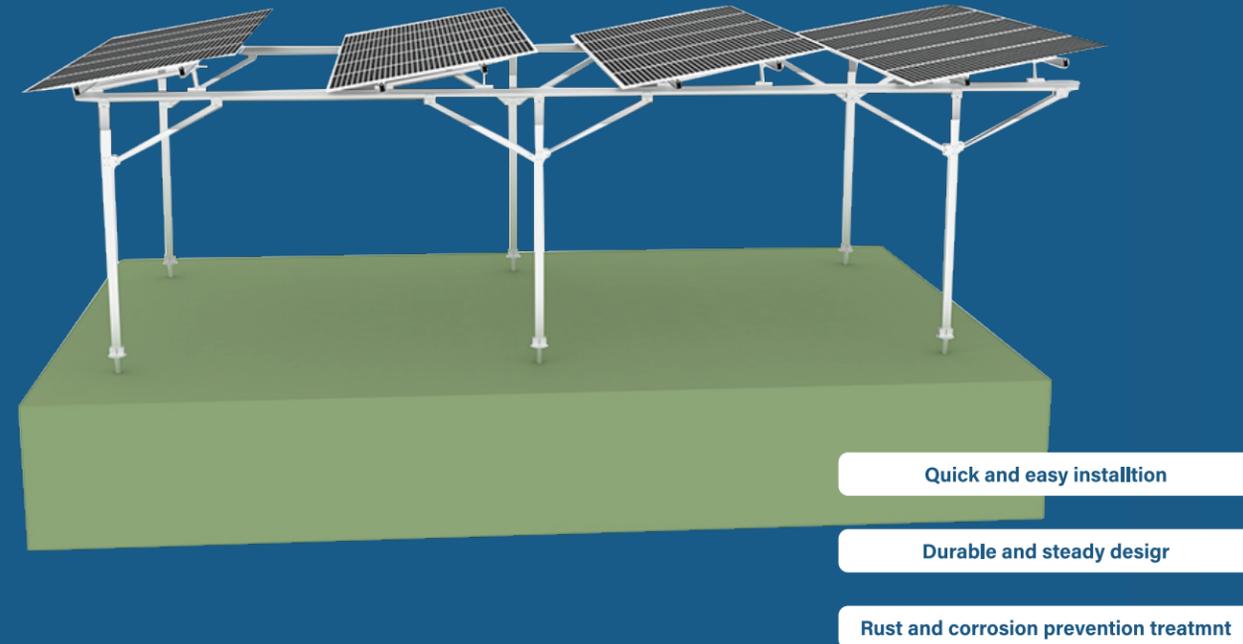
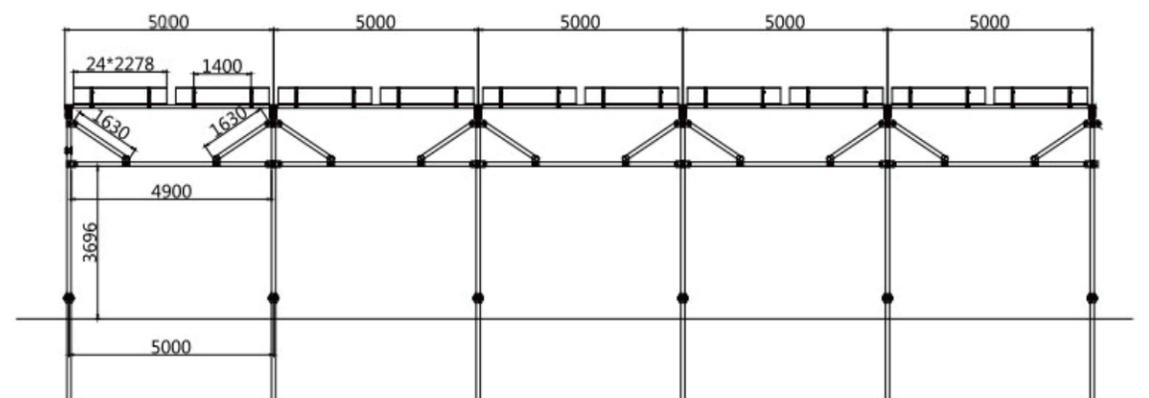


Solar Farm Ground Mounting System

TECHNICAL DATA	
Wind Speed and Snow load	We will design a solution based on the maximum wind load and snow load at installation site.
Material grades	<p>We can choose different materials according to the customer's requirements.</p> <p>Material: AL6005-T5,S355 HDG Steel or ZAM Steel, depends on the condition.</p> <p>Surface treatment: anodized 10-12μm, HDG > 80μm</p> <p>Fasteners and screws: SUS304, depending on the application.</p> <p>Module clamps: AL6005-T5 clamps and nuts and with SUS304 bolts.</p>
Module configuration	Applicable for monofacial / Bifacial solar module 2 or 3 modules arranged in vertical orientation in one row . or 4 module in on row in horizontal configuration . Depends on client's requirements. We design economical solutions.
Warranty	10 years
Foundation Type	Ramming post or Ground screw for options.
Service	Provide customized solution services.
Structural analysis	<p>Design and analysis of individual system structures based on regional data and customer guidelines.</p> <p>Structural analysis of the terrain conducted when required, using external soil expertise.</p> <p>Load assumptions made according to EU Codes.</p> <p>Verification of all structural components based on SAP2000 calculations or verification through structural test setups.</p>



Commercial&industrial & utility-scale solar projects

Today, solar energy is transforming agricultural land into smart farms, providing farmers with solutions for water scarcity, advanced technologies, and sustainable energy options. Adopting solar energy instead of conventional farming methods offers numerous advantages for any farm, including:

Traditional equipment such as petrol or diesel generators contributes to noise and air pollution, while solar-powered systems operate without causing any environmental harm. Additionally, solar farming methods enable small-scale farmers to significantly reduce fuel expenses and automate various farming activities, allowing them to devote more time to other essential tasks.



BENEFITS OF SOLAR FARM

BENEFITS OF SOLAR FARM

1. Cost-Effective Savings

Harnessing solar energy is far more economical than relying on fossil fuels for power. In a way, it resembles opening a savings account.

2. Independence from Rain

Smallholder farmers depend on rainfall for irrigating their crops. However, erratic precipitation can significantly impair their harvest. Solar energy offers an effective solution for farmers facing regular water shortages. A solar-powered system harnesses solar energy to generate electricity directly on the farm and automatically pumps water from nearby sources. This innovation alleviates concerns about unpredictable rainfall, enabling farmers to cultivate their crops more efficiently and effectively.

3. Clean Energy Source: A key reason for adopting solar energy in farming is its potential as a clean and sustainable energy option.

4. Affordable Energy Storage Solutions: Farmers require reliable ways to store energy to prepare for potential water or energy shortages on their land, or simply to ensure they have a consistent power supply.