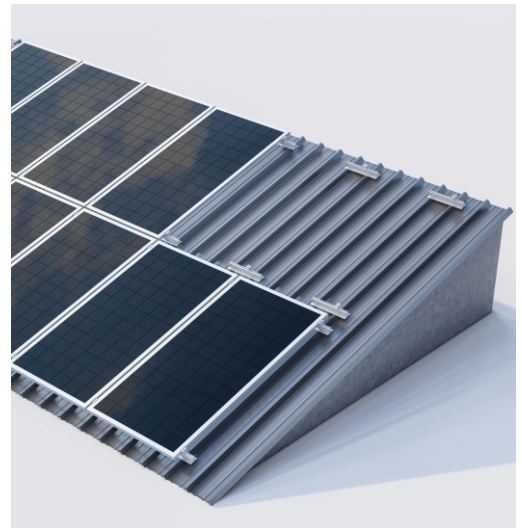
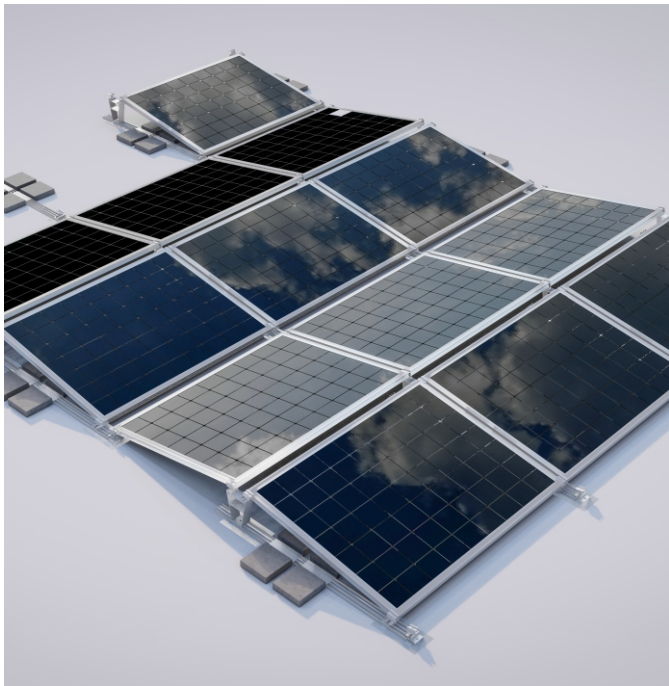




TECHNICAL SYSTEM DESCRIPTION

The SOLAR system is a modular aluminium substructure solution developed for the installation of photovoltaic panels and solar collectors across a wide range of architectural and engineering applications. Designed to provide maximum flexibility, the system combines lightweight aluminium profiles, dedicated fixing elements, and a comprehensive range of accessories to create reliable support structures for residential, commercial, industrial, and utility-scale solar installations.

Suitable for roofs, façades, canopies, and ground-mounted structures, SOLAR enables efficient installation of photovoltaic modules of various dimensions while maintaining long-term durability and structural stability. Its modular design allows adaptation to different project requirements, from small residential systems to large solar power plants, providing a complete solution for renewable energy applications..

- Aluminum profiles are manufactured through the extrusion process at Tehnomarket production facilities. The raw material used for profile production is primary aluminum alloy AlMgSi0.5 (AA6063 and AA6060), with a minimum tensile strength of 210 kN/mm².
- Modular aluminium substructure system for photovoltaic panels and solar collectors
- Suitable for sloped roofs, flat roofs, façades, canopies, and ground-mounted installations
- Compatible with panel thicknesses from 30 mm to 40 mm, with special solutions available up to 200 mm
- Supports panel weights up to 150 kg
- Maximum string width up to 12,000 mm
- Maximum string height up to 6,000 mm
- Dedicated anchoring solutions for various substrates
- Click-fit profile connections with mechanical screw fixing
- Raw, anodized, or powder-coated aluminium finishes available