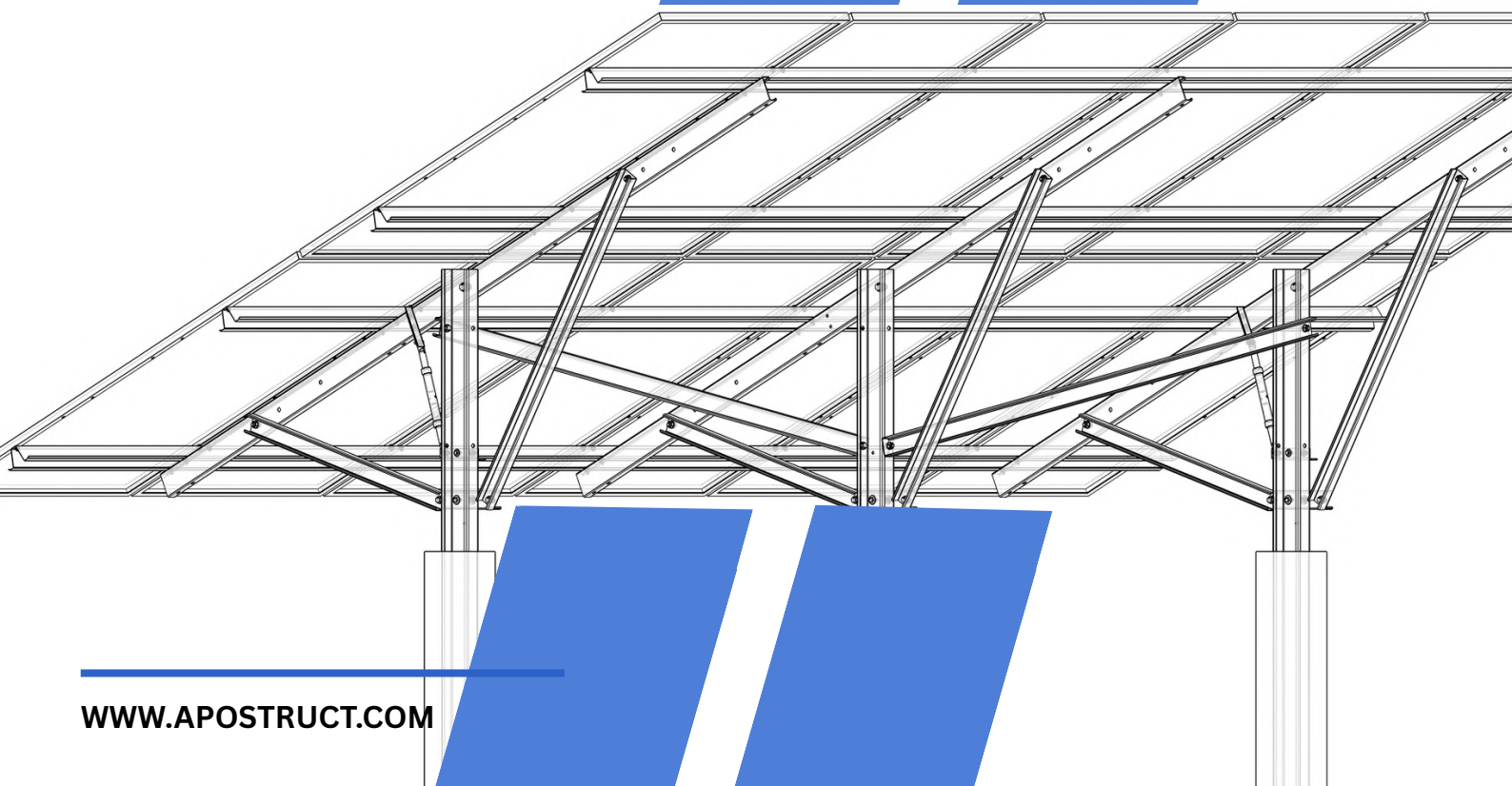




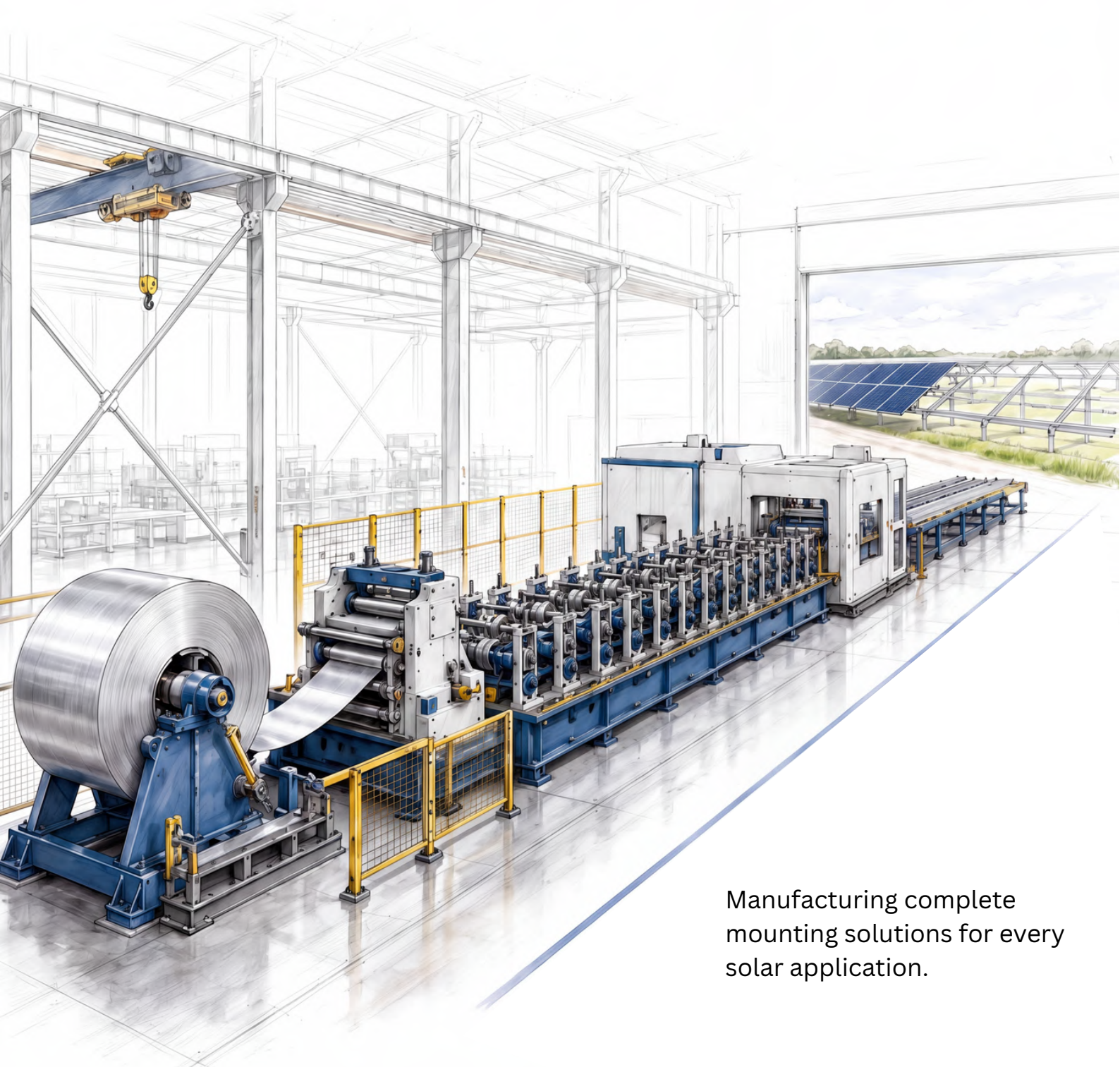
PRECISION MOUNTING SOLUTIONS FOR EVERY SOLAR PROJECT



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Precision-Engineered Solar Mounting Structures



Manufacturing complete mounting solutions for every solar application.

At **apostruc**

Engineering is the foundation of every solar project

At **Apostruct**, we design and manufacture precision-engineered solar mounting systems built for strength, durability, and long-term reliability.

Our solutions are engineered to deliver structural excellence and installation efficiency for utility-scale, commercial, and industrial solar projects.



We are a leading manufacturer of high-quality solar mounting structures, committed to engineering excellence, superior quality, and reliable execution.



10+

YEARS OF
EXPERIENCE



EXCELLENT

ENGINEERING
TEAM



100%

IN-HOUSE
ALL PROCESSES



2 GW

ANNUAL PRODUCTION
CAPACITY OF STRUCTURE



500MW+

EPC ON GROUND
EXPERIENCE

Proven expertise in end-to-end EPC services for utility-scale ground mounted solar projects across India.



OUR PARENT COMPANY
APOLLO SOLAR POWER

Apostruct is the manufacturing arm of Apollo Solar Power, a trusted name in the solar industry with a strong track record in EPC, project development, and O&M services. This strong foundation empowers us with deep industry insight, technical expertise, and a commitment to long-term value.

The APOSTRUCT Process

We manufacture high-performance solar mounting structures through a fully integrated in-house process.

Every stage—from engineering and raw material sourcing to slitting, roll forming, welding, galvanizing, quality inspection, packing, and dispatch—is managed under strict quality standards to ensure precision, durability, and timely delivery.

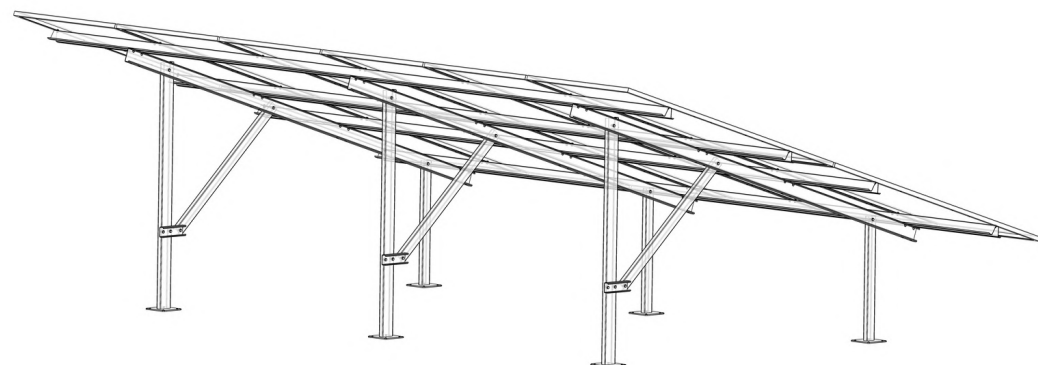
ENGINEERING PROJECT PROCESS



OUR PRODUCTS

Fixed-Tilt Solar Mounting Structure

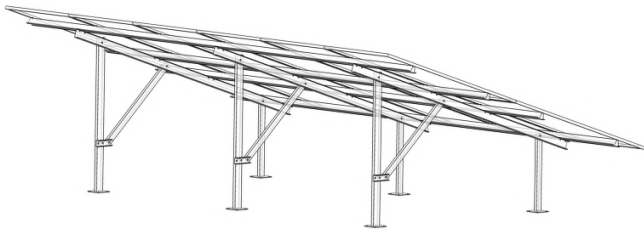
Reliable and precisely engineered mounting systems designed for long-term performance across utility-scale and commercial solar projects.



SOLAR PANEL MOUNTING STRUCTURE

FIXED-TILT 2P13Y UPTO 2P26Y

Precision-engineered ground-mount system designed for reliable long-term performance across utility-scale, commercial and industrial solar projects.



SYSTEM OVERVIEW

Robust fixed-tilt steel mounting platform using repeatable cold-formed members, efficient module clamping and project-specific foundation engineering. The shown reference table uses a 2P portrait arrangement with a fixed 20° inclination.

- 2P Portrait
- 20° Fixed Tilt
- Steel Structure
- Utility Scale

REFERENCE TECHNICAL DATA

		DIMENSIONS IN MM UNLESS STATED
SYSTEM TYPE	Fixed-Tilt Ground Mount	Reference structural configuration
MODULE ARRANGEMENT	2P × 13 modules (26 / table)	Portrait orientation
TILT ANGLE	20°	Fixed inclination
AXIS DISTANCE	1,920	Reference drawing value
OVERALL MODULE-FIELD LENGTH	15,008	Reference overall length Cold-
MAIN COLUMN / PILE	C100 × 60 × 20 × 3	formed steel profile Cold-formed
BEAM / BINDER	C100 × 45 × 15 × 2	steel profile
CLAMPING RAIL	C70 × 50 × 15 × 1.5	Module support / clamp rail

CONNECTIONS & FASTENERS

- Module end + middle clamp arrangement
- M8 × 25 / M8 × 45 clamp fasteners
- M12 × 30 / M12 × 55 structural fasteners
- Bolted beam splice and pile-to-beam connector concept

19 ± 1 Nm
M8 module clamp reference torque

80 ± 10 Nm
M12 structural joint reference torque

90 Nm
Cross-connector reference drawing notation

ISO Hardware
4017 / 4032 / 7093 / 7094 / 4762 / 4161

ENGINEERING FEATURES

Load Optimised

Efficient structural load distribution.

High-Strength Steel

Precision cold-formed C-profiles.

Corrosion Resistant

HDG / ZM / Zn-Al-Mg coating options.

Fast Installation

Repeatable bolted assembly concept.

Project Adaptable

Tilt, spacing and foundation tailored by engineering.

Long ServiceLife

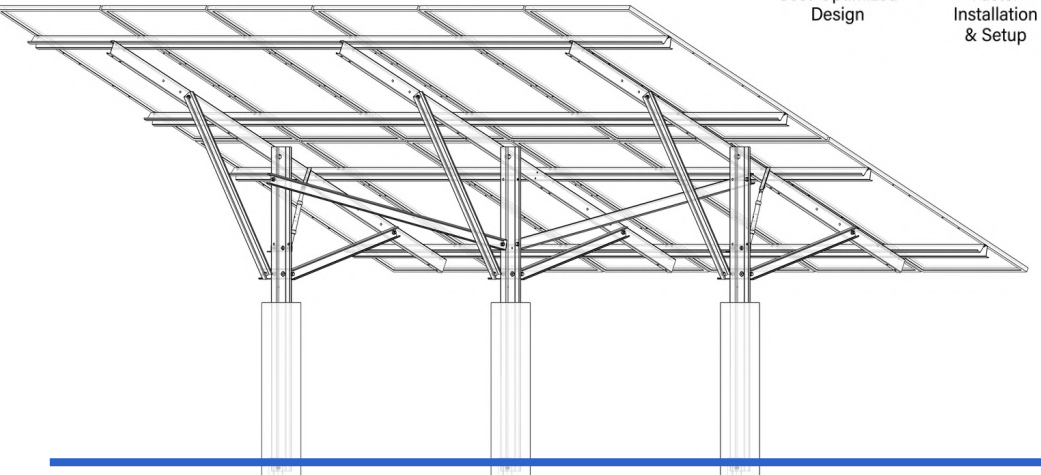
Designed for durable field performance.

Engineering note: Reference 2P13Y configuration based on the supplied drawing and APOSTRUCT product profile. Final dimensions, member sizes, coating, foundation and design loads are subject to project-specific engineering and approved drawings.



Seasonal-Tilt Solar Mounting Structure

Adjustable mounting solutions designed to optimise solar exposure throughout the year.



2P | SOLAR MOUNTING STRUCTURE

KEY FEATURES



2P Portrait Module Configuration



Optimized Structural Load Distribution



High-Strength Steel Construction



Corrosion-Resistant Coating (HDG / ZM / Zn-Al-Mg)



Engineered for High Wind & Snow Loads

BENEFITS



Cost-Optimized Design



Faster Installation & Setup



Reduced Foundation Requirement



High Structural Stability



Long Service Life

1P | SOLAR MOUNTING STRUCTURE

KEY FEATURES



1P Portrait Module Configuration



Optimized Structural Load Load Path



High-Strength Steel Construction



Corrosion-Resistant Coating (HDG / Zn-Al-Mg)



Engineered for High Wind & Snow Loads

BENEFITS



Higher Energy Yield with Reduced Shadow Shading



Simplified Installation & Maintenance



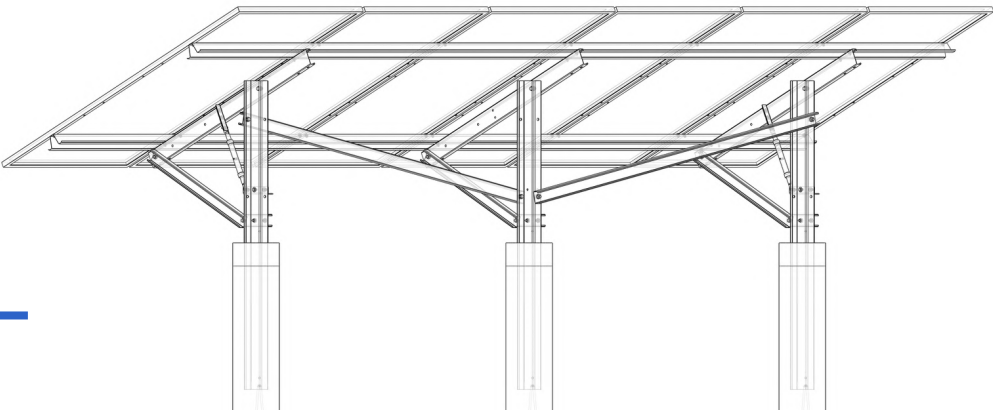
Flexible Layout for Uneven Terrain



Optimized Land Utilization



Proven Reliability for Utility-Scale Projects

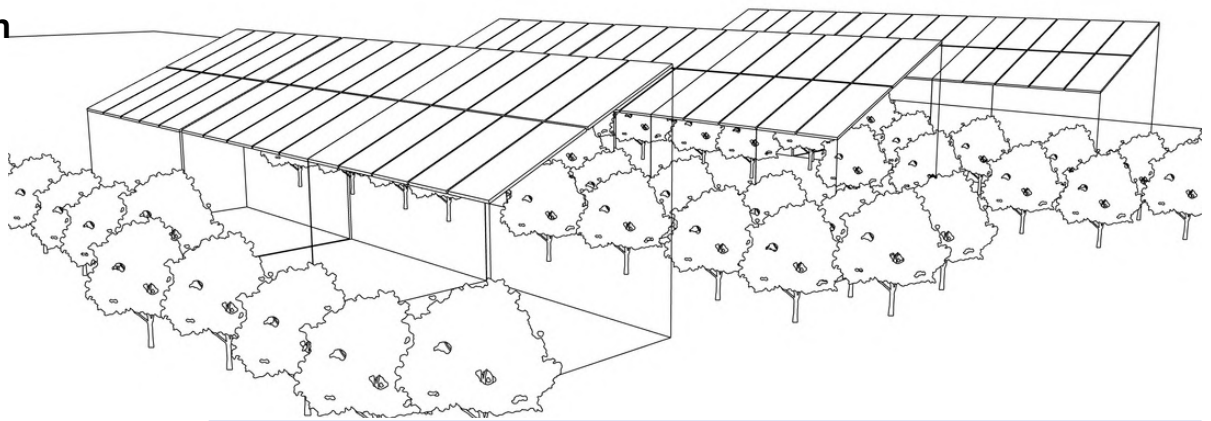


Elevated & Agrivoltaic Solar Mounting Structure

Power Above. Productivity Below.

High-clearance solar structures engineered to generate clean energy while preserving the land below for agriculture, vehicle movement, and other productive uses.

Clean Energy | Agricultural Use | Optimised Land Utilisation

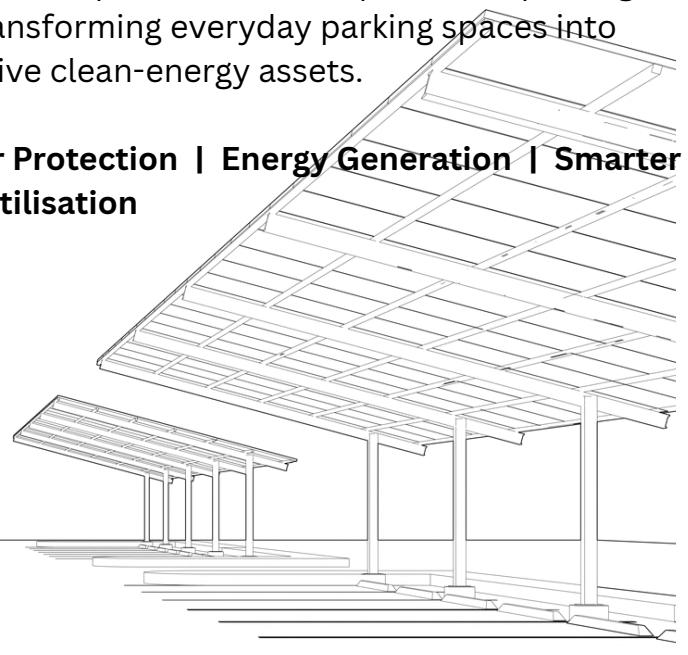


Solar Carport Structure

Smart Parking. Clean Energy.

Engineered to provide weather-protected parking while transforming everyday parking spaces into productive clean-energy assets.

Weather Protection | Energy Generation | Smarter Space Utilisation





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EVERY STAGE IS COMPLETED IN-HOUSE TO EN
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**PEERED SOLAR MOUNTING STRUCTURES,
ENSURE STRENGTH, ACCURACY, AND LASTING
PERFORMANCE.**



An aerial architectural rendering of a solar power plant. In the foreground, several long, parallel rows of solar panels are mounted on metal frames, sloping towards the right. To the left of the solar panels is a two-story rectangular building with a flat roof, multiple windows, and a set of stairs leading to an entrance. Adjacent to the building is a fenced-in area containing electrical equipment, including transformers and switchgear. In the background, a tall, lattice-structured transmission tower stands prominently. The surrounding landscape is a flat, open field with some distant trees and hills under a clear sky.

apostruc//

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