



SG POWER
PRODUCTS PRIVATE LIMITED
EVOLUTION THROUGH TECHNOLOGY



SOLAR MOUNTING STRUCTURES

SG Power Solar Mounting Structures are designed to provide a strong, durable, and reliable foundation for photo voltaic (PV) systems. Built with precision engineering and high-quality materials, these structures ensure optimal panel alignment, long-term structural stability, and maximum energy generation.

Manufactured using high-grade galvanized steel, our solar structures offer superior resistance against corrosion, wind load, and harsh environmental conditions. The structures are designed for quick installation, minimal maintenance, and long operational life.

Our mounting solutions are suitable for commercial, industrial, and utility-scale solar power projects, and can be customized according to project requirements, site conditions, and module specifications.

TYPES OF SOLAR MOUNTING STRUCTURES

1. Rooftop Solar Structures

Rooftop solar structures are specially designed for residential, commercial, and industrial rooftops. These structures ensure secure mounting of solar panels while maintaining proper tilt angles for maximum sunlight exposure.

Key Benefits

- Lightweight and strong design
- Easy installation on RCC and metal roofs
- Optimized tilt angle for better energy generation
- Minimal load on building structure



2. Ground Mounted Solar Structures

Ground mounted structures are widely used for large-scale solar projects where sufficient land area is available. These structures provide excellent stability and allow installation of multiple panels in rows.

Key Benefits

- Ideal for solar farms and utility projects
- Designed for high wind load resistance
- Scalable for large capacity installations
- Easy maintenance access



3. Elevated Solar Structures

Elevated solar mounting structures are installed at a height to allow space utilization beneath the solar panels. These are commonly used in parking areas, industrial premises, and agricultural applications.

Key Benefits

- Dual land usage
- Suitable for parking shade or agriculture
- Strong structural stability
- Long service life



APPLICATIONS

- Residential solar power systems
- Commercial rooftop solar plants
- Industrial solar installations
- Ground-mounted solar farms
- Utility-scale solar power projects

Why Choose Our Solar Structures

- ✓ Precision engineered for maximum durability and safety
- ✓ Manufactured using high-quality raw materials
- ✓ Designed for long-term outdoor performance
- ✓ Custom design solutions available for project requirements

MATERIAL & TECHNICAL SPECIFICATIONS

Parameter	Specification
Material	High Grade Steel
Surface Finish	Hot Dip Galvanized (HDG)
Corrosion Protection	Excellent anti-rust coating
Wind Load Design	Designed for high wind speeds
Structure Type	Fixed Tilt / Custom Design
Installation Type	Rooftop / Ground Mounted
Panel Compatibility	Suitable for all standard PV modules
Life Expectancy	15+ Years

