

SINGLE POST SYSTEM



Introducing our Single Post Mounting System, a trusted and field-proven solution recognized for its simplicity and robust design. This versatile system has made its mark in numerous projects throughout India, excelling in diverse terrains and climates. Its adaptability allows it to seamlessly integrate with various foundation types, ensuring a hassle-free installation process tailored to specific terrain requirements. This system's lightweight construction not only makes it cost-effective for shipping but also contributes to its low Levelized Cost of Electricity (LCOE), further solidifying its reputation as a reliable choice for sustainable energy solutions.

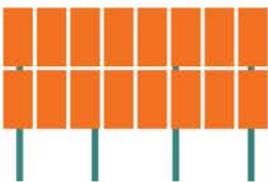


Cost-Efficient Solution for Large-Scale Projects

Our mounting system is constructed with a range of specialized coating options, carefully selected to suit the diverse climates and terrains across India. By optimizing material use and support distances, this steel system presents a compelling option for the execution of large-scale projects, catering to the nation's growing renewable energy demands.

The Structura Single Post Mounting System can be acquired either as individual components or, upon request, delivered maximally pre-assembled. In large scale projects, by utilizing rammed steel foundations, we reduce the need for conventional concrete foundations in most scenarios. This not only translates to significant savings in materials and labor but also ensures optimal accessibility and minimizes sealed ground area, making it environmentally friendly. Our solution is ideal for deployment in various contexts, including challenging landscapes that may require pre-drilling.

2P/4L



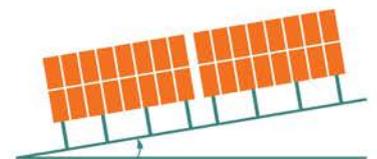
Up to 2 modules in portrait
or 4 in landscape

200 km/h



Tested to withstand wind
speed up to 200 km/h

UP TO 15°



Engineered for E/W terrain
slope < 15° & N/S < 30°

SINGLE POST SYSTEM

TECHNICAL SPECIFICATIONS



MATERIAL	
Foundation	Steel, Galvanized to G90 or up to G235 for Corrosive Environments
Structural Material	Steel for Rafter, Purlins, Girder, with Zinc-Aluminium-Magnesium Alloy Coating or HDG/GP/POSMAC
Fixing Elements, Screws	SS304, Zinc-Flake Coated Steel, Aluminium 6063
Module Clamps	Aluminium 6063

DESIGN	
Foundation Options	Tailored based on soil analysis: cement pier, driven pile, anchor bolts, cement ballast
Modular Design	Customizable to Project Requirements, Optimized for Efficient Installation
Supported Module Types	All market-available modules, including bifacial & thin films

MODULE ATTACHMENT	
Module Type	Framed (standard), Bifacial (standard), Frameless (additional horizontal rail)
Attachment Method	Direct module bolt or top clamp

MODULE CONFIGURATION	
Landscape Format	Up to 12 x 4 modules
Portrait Format	Up to 12 x 2 modules

WIND LOAD AND TERRAIN TOLERANCE	
Wind Load Resistance	Tested to withstand wind speed up to 200 km/h
Terrain Slope Tolerance	East/West Inclination: Up to 15 Degrees North/South Inclination: Up to 30 Degrees

WARRANTY	
Structural Warranty	15 years

STRUCTURAL ANALYSIS	
Geotechnical Analysis	Site-specific for precise foundation design
Structural Analysis	Based on Indian structural codes and standards (e.g., IS 800, IS 875 for loads, IS 456 for materials) and additional or corresponding country-specific standards
Component Verification	FEM calculations for all construction components
Vibration Simulations	(Optional) Available for wind force assessment

ON-DEMAND SERVICES	
Foundation Services	Comprehensive geotechnical investigation, pull-out tests, corrosion testing, etc.
Design & Engineering Services	Feasibility studies, site layout optimization, detailed structural analysis, etc.
Installation Services	Available upon request for seamless project execution