



Module Mounting Structures

- Ground Mounting Systems
- Rooftop Mounting Systems
- Customized Solutions



Jakson Module Mounting Structure

An experienced EPC service provider and manufacturer of solar products & components, Jakson offers complete range of module mounting structures for PV based solar power and rooftop projects to suit ground or roof PV installations. Our systems combine optimum dimensioning, short mounting times, economic efficiency and maximum durability to help you get most out of your PV system.

Jakson's mounting systems are modular-unit assembly comprising of universally applicable quality components facilitating installation of modules at almost any site. The products are available from Jakson as standard individual units or can be compiled to meet your specific requirements.

Key Offerings

- Design
- Manufacture
- Quality Assurance
- Quality Control
- Shop Assembly
- Shop Testing
- Delivery at Site Complete with all Auxiliaries, Accessories & Spare Parts
- Site Storage and Preservation
- Installation, Commissioning, Performance and Acceptance
- Training of Client Personnel



Quality Standards

Jakson module mounting structures (made of sheet steel / aluminum) confirm to following latest standards

- IS:800
- IS:801
- IS:806
- IS:808
- IS:812
- IS:813
- IS:1161
- IS:4923
- IS:6623
- IS:1977

Galvanization Standards

We can provide both hot dipped galvanization and pre-gal sheet structure. The structures are galvanized giving smooth and uniform thickness. The process is carried out under supervision of qualified engineers to ensure conformance to the following applicable standards

- IS:2633
- IS:4759
- IS:2629
- IS:6745



Ground Mounted Module Mounting Structure

Ground mounted structures consist of PV Modules (framed/unframed) held in place by racks or frames that are attached to the ground based mounting structure depending upon the no of modules per unit.

Every structure developed is a good blend of optimization and customization i.e. these structures can be customized to fit any type of PV module ranging from 40 Wp to 325 Wp and can be optimized for varied soil types ranging from sandy deserts to hard rocky terrain. The arrangement of modules can either be Landscape or Portrait Orientated.

Ground Mounted Structure Variants

- Fixed
- Seasonal Manual Tilt
- Seasonal tilt Solar tracker system

Ground Mounted Structure Supports

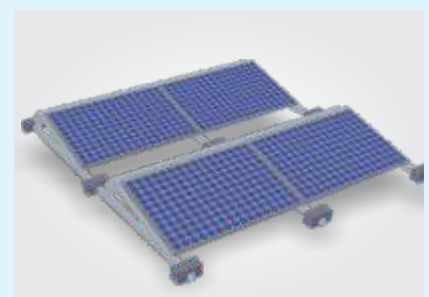
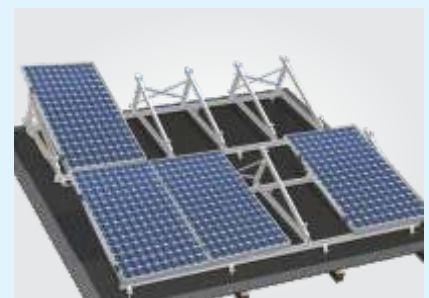
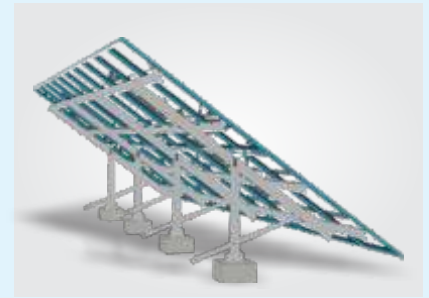
- Pole mounts- driven directly into the ground or embedded in concrete.
- Foundation mounts- Fixed to concrete slabs or poured footings
- Ballasted footing mounts- concrete or steel bases that use weight to secure the solar panel system in position and do not require ground penetration. This type of mounting system is well suited for sites where excavation is not possible such as capped landfills. These systems simplify decommissioning or relocation of solar panel systems.

Roof Mounted Solar Structures

Roof mounted solar power systems consist of solar panels held in place by racks or frames attached to roof based mounting support.

Roof mounting structure supports

- Pole mounts- attached directly to the roof structure and may use additional rails to hold the panel racking or frames.
- Ballasted footing mounts- concrete or steel bases that use weight to secure the panel system in position and do not require through penetration. This mounting method allows for easy decommissioning or relocation of solar system with no adverse effect on the roof structure.



Manufacturing Excellence

The group has a state-of-the-art manufacturing facility for solar products and components manufacturing. The facility is equipped with highest levels of technology while being ISO 9001, ISO 14001 and OHSAS 18001 certified. The unit is complete with facilities for designing, assembly, testing and packaging of the products. Advanced machinery, state-of-the-art automated paint shop and expertise of the human hand combine to give the best quality products along with reliability, timely delivery and pan India coverage.



Solar Products Manufacturing Plant
Greater Noida

- Manufacturing area of over 150,000 sq ft
- Installed capacity of 8,000 metric tonne per annum
- Capable of manufacturing MMS of a 17 MW plant per month
- Over head cranes up to 10 tonnes



Advanced Machinery

- Roll forming machine
- CNC based automatic loading presses, welding rectifiers
- Over head cranes up to 10 tonnes
- Numbering machines
- Bending machines.
- Mig/arc welding machines
- Punching machines
- Notching machines
- Straightening

About Jakson

One of the pre-eminent power solution providers in the country, the genesis of Jakson Group started in 1947. Driven by the vision to improve people's lives by providing sustainable solutions, Jakson Group encompasses five business verticals - Powergen & Distribution, Solar, Contracting, Hospitality and Education.

With a myriad of work personnel from across India, Nepal, Bangladesh and Dubai, Jakson has strived over the years to manifest unsurpassed innovation and confer to the needs of its customers. With four state-of -the-art manufacturing plants in India, Jakson has an extensive countrywide presence with a wide network of dealers. Jakson has endeavoured to accomplish greater presence in new markets with customer inspired products & solutions with an international adeptness.

Jakson Group

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