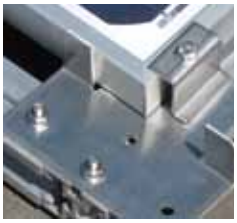
PLP SOLAR
PREFORMED LINE PRODUCTS

POWER-FAB™
Quality Hardware for the PV Industry



POWER-FAB™ CRS

Non-penetrating Flat Roof Mounting System

COMMUNICATIONS ENERGY SPECIAL INDUSTRIES SOLAR

The POWER-FAB™ CRS PV Solar Mounting System

Key Benefits

- Fast installation times
- High strength, reliability
- Roof design flexibility
- Lower overall installed costs
- Increased module density
- Higher enegy production

The POWER-FAB CRS top-clamping module mounting system is designed to install fast and provide a secure mounting structure for any framed module. Test results from a full scale wind tunnel facility support designs that reduce the overall dead load on the roof and eliminate roof penetrations for most site applications. To maximize energy production or density, the system offers a variety of tilt angles, from 5 to 25 degrees, and features the flexibility to design the racking around roof obstructions and avoid shaded areas while maximizing the number of modules.

Installers

Installers demand a racking solution that installs quickly, requires fewer components to handle and assembles hassle-free.

- Fast installation times
- Top access clamps with captive nuts
- Single tool assembly
- Precision cut components eliminate field measuring or cutting
- Longer rails require less splices
- Module spacer jigs assure proper row alignment – no measuring
- Track bolt system eliminates drilling
- Integrated module grounding system option
- EPDM Rubber included – no additional mats required

Assembly is simple, precise and fast.

System Owners

System owners desire a mounting system that is reliable, and will withstand the environment for the life of the PV module.

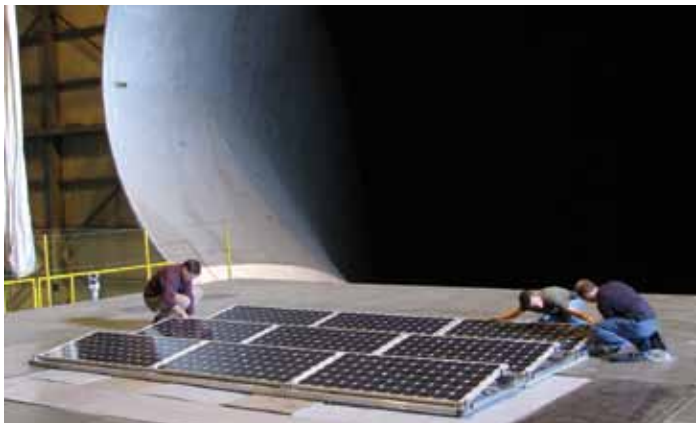
- Corrosion resistant aluminum components
- EPDM rubber protects roof surfaces
- No roof penetrations
- Wind Tunnel tested
- Open air design increases energy production
- High strength module clamps

Open air design for increased energy production.

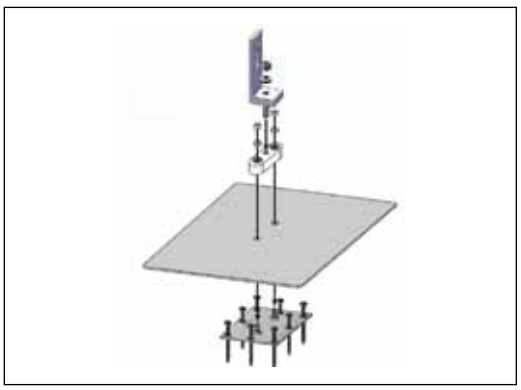
Engineers & Architects

Engineers & Architects require a mounting system that offers flexibility in design and application, and exceeds building code requirements.

- Full Scale Wind Tunnel qualified
- Grid-work of interconnected high strength rails
- Reduced roof loads
- Penetration options to offset ballasting and/or meet seismic requirements
- Compatible with any framed PV module
- Configurable around roof obstructions
- EPDM base increases friction and protects roof surface

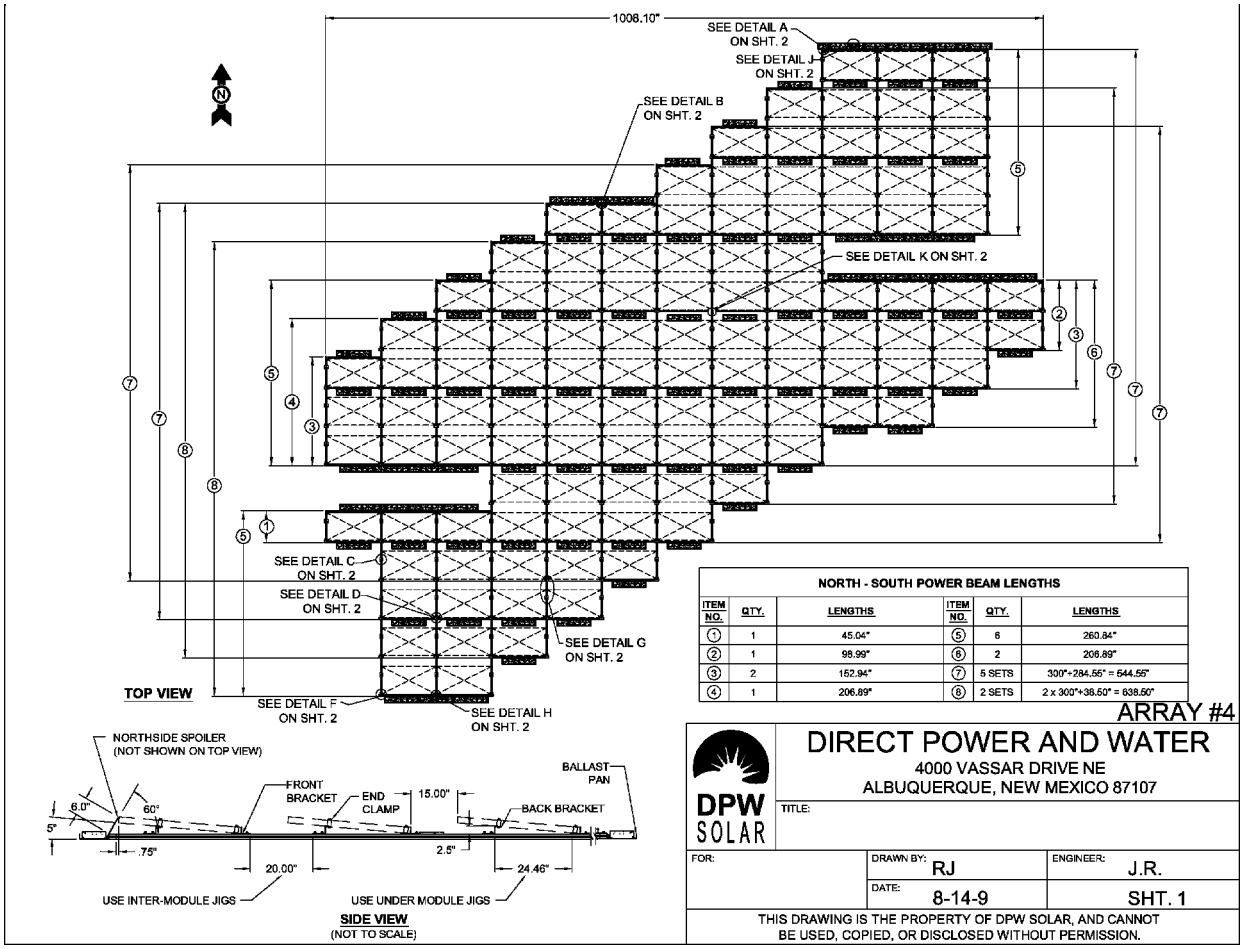


Full Scale Wind Tunnel Tested and Qualified



Optional penetration hardware to reduce roof loads.

Sample Roof Layout



The POWER-FAB™ CRS system is adaptable to any roof layout.

Standard Product Wind Loading Specifications			
Wind Load	**Standard Tilt Angle****	**Roof Loading**	**Category**
90 mph	10 degree	< 5 lbs./ft²	Exposure C
130 mph	5 degree	< 5 lbs./ft²	Exposure C

Contact factory representative for other tilt angle and wind load options. Full scale wind tunnel data used to calculate ballast weights along with ASCE 07-05 and building code reqirements.

**Tilt angles from 5 - 25 degrees available

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Our engineering staff is available to assist with your next project. Please provide module type, tilt angle, design wind speed, exposure category and building height information.

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