

MagicSolar Assemble-Ready Solar Systems





Company Briefs

MagicSolar revolutionizes the solar industry by innovating in Assemble-Ready and Delivery-Ready systems and enhancing the affordability and applicability of solar energy.

The patent pending, factory fabricated MagicSolar systems are suitable for various applications and layouts.

It is the first time solar industry advance from components era to system era.

Concepts & Development

MagicSolar fully committed to lead industrial innovations for “Safest. Sleekest. Simplest.” solar systems for utility and distributed applications.

Solar panels are fixed with “No Clamps. No Bolts. No Clips. ” making it simple and easy to implement solar.

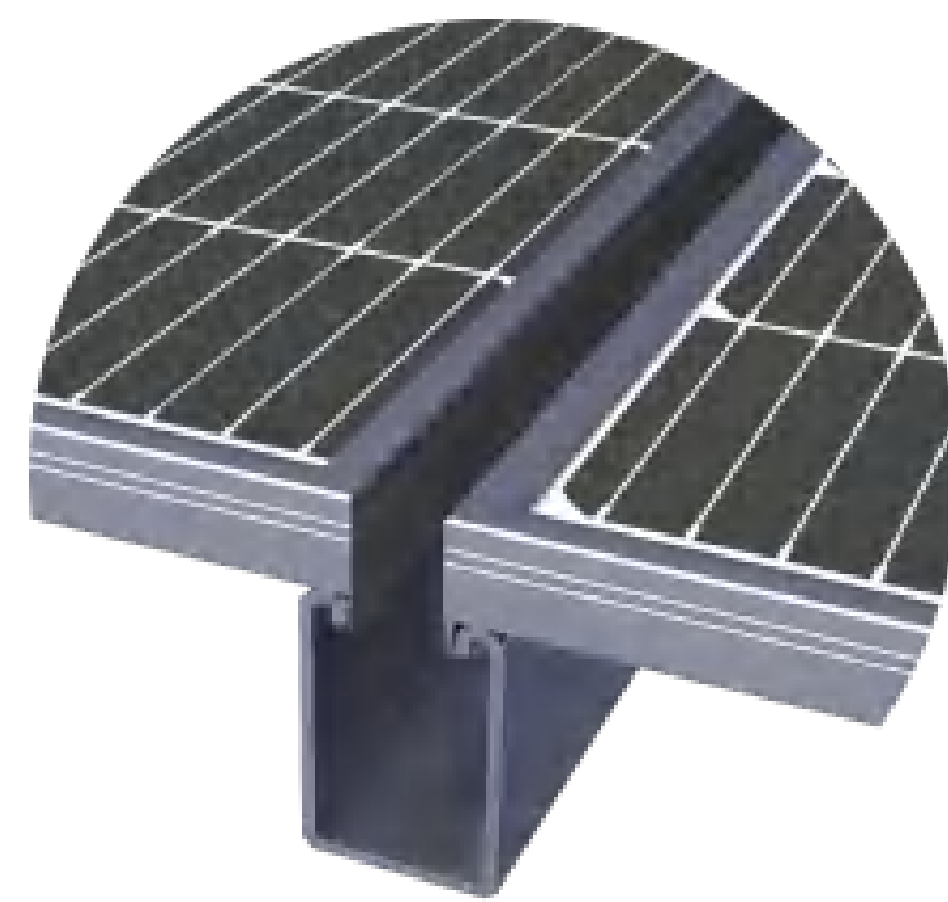
MagicSolar starts strategic partnerships with leading companies in solar industry and provides system solutions to Europe, Asia, USA, Middle East, and Africa and other countries.

1 Technology

Tongue & Groove fixing avoid the detrimental point fixing, eliminate risk of safety risk and reduce installation error. Proven records demonstrate survival on strong typhoons.

Locking mechanism is based on physics and structures, avoiding human error.

Minimal components assure supply chain reliability and reduce handling error.



2 Service



Our team will provide you with a full range service from pre-sales to after-sales. We have marketing and supporting documentations, 3D demonstration, training videos as well as installation instructions to clearly explain the application of this new products.

Periodic webinars and online meetings further answer any questions and clarifications.

Live support, email or site visit can be schedule when necessary.

3 Engineering

For specific needs, we are able to re-engineer to fit the best and optimize to the specific geographic and weather conditions, as well as specific customer requirements.

We deliver the best value from the perspective of customers.

We are not only suppliers, but also the partner for your success.



MagicSolar System Products

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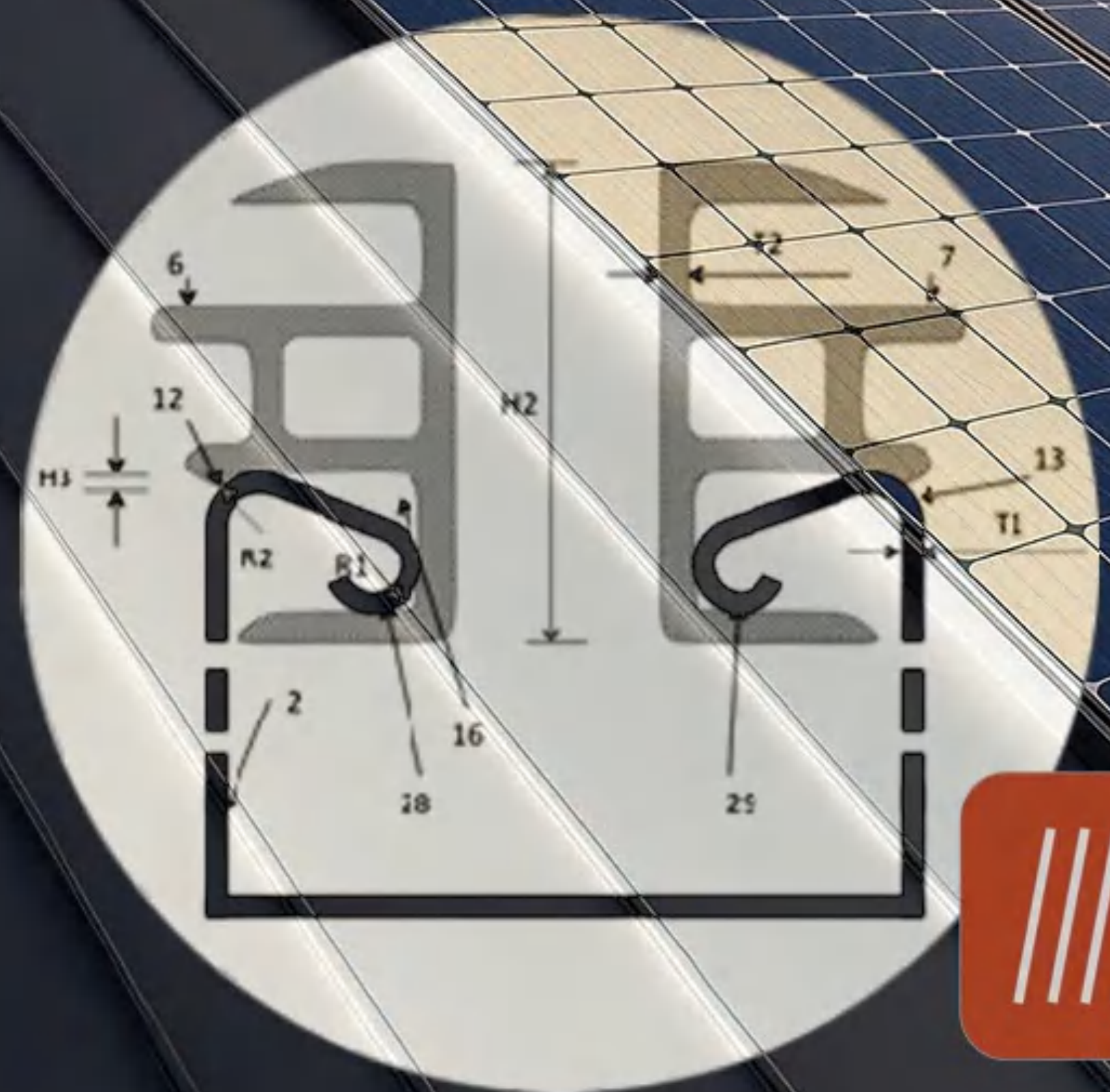
Fence.....14

Ground Mount - One Post 2P15

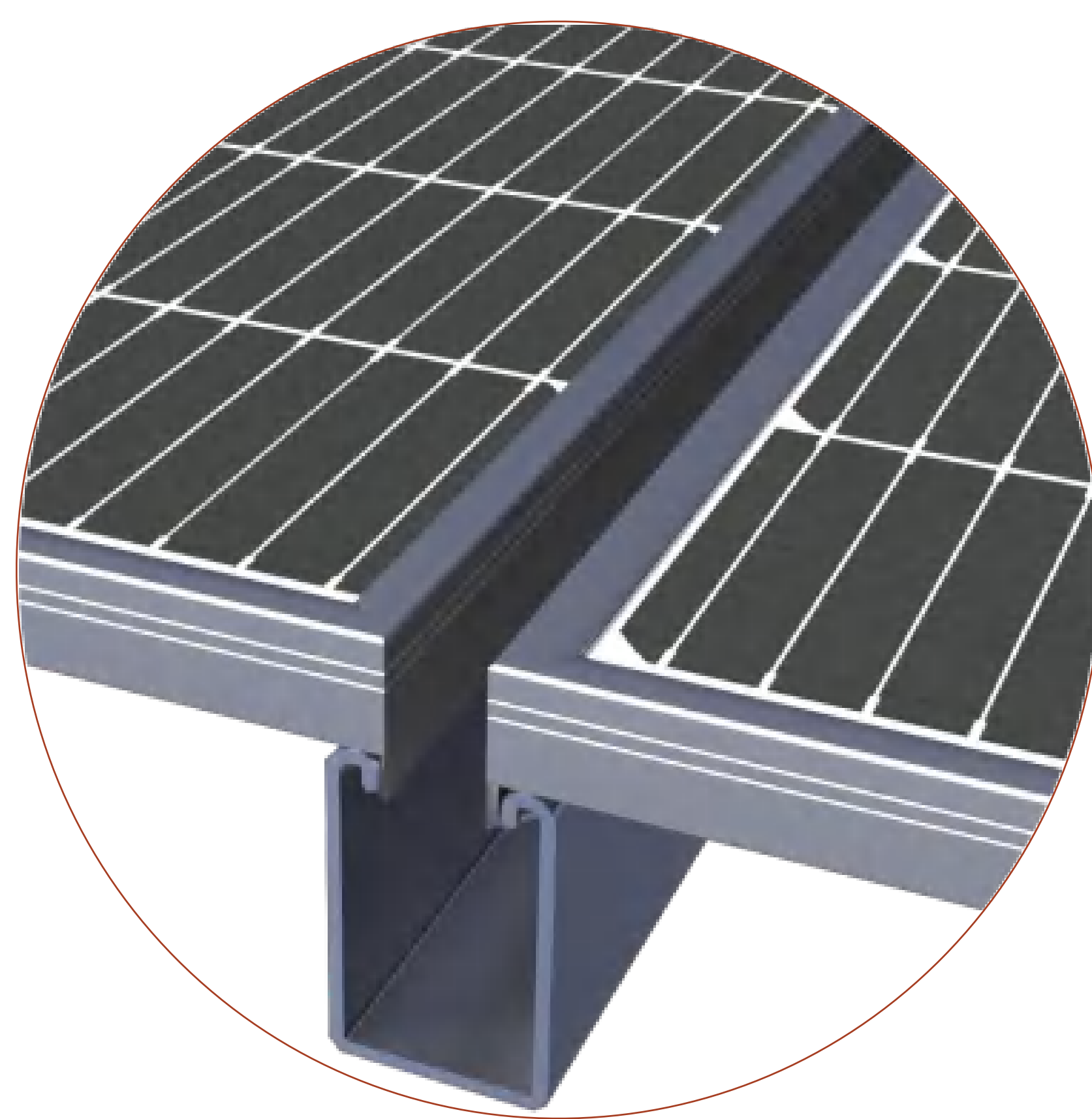
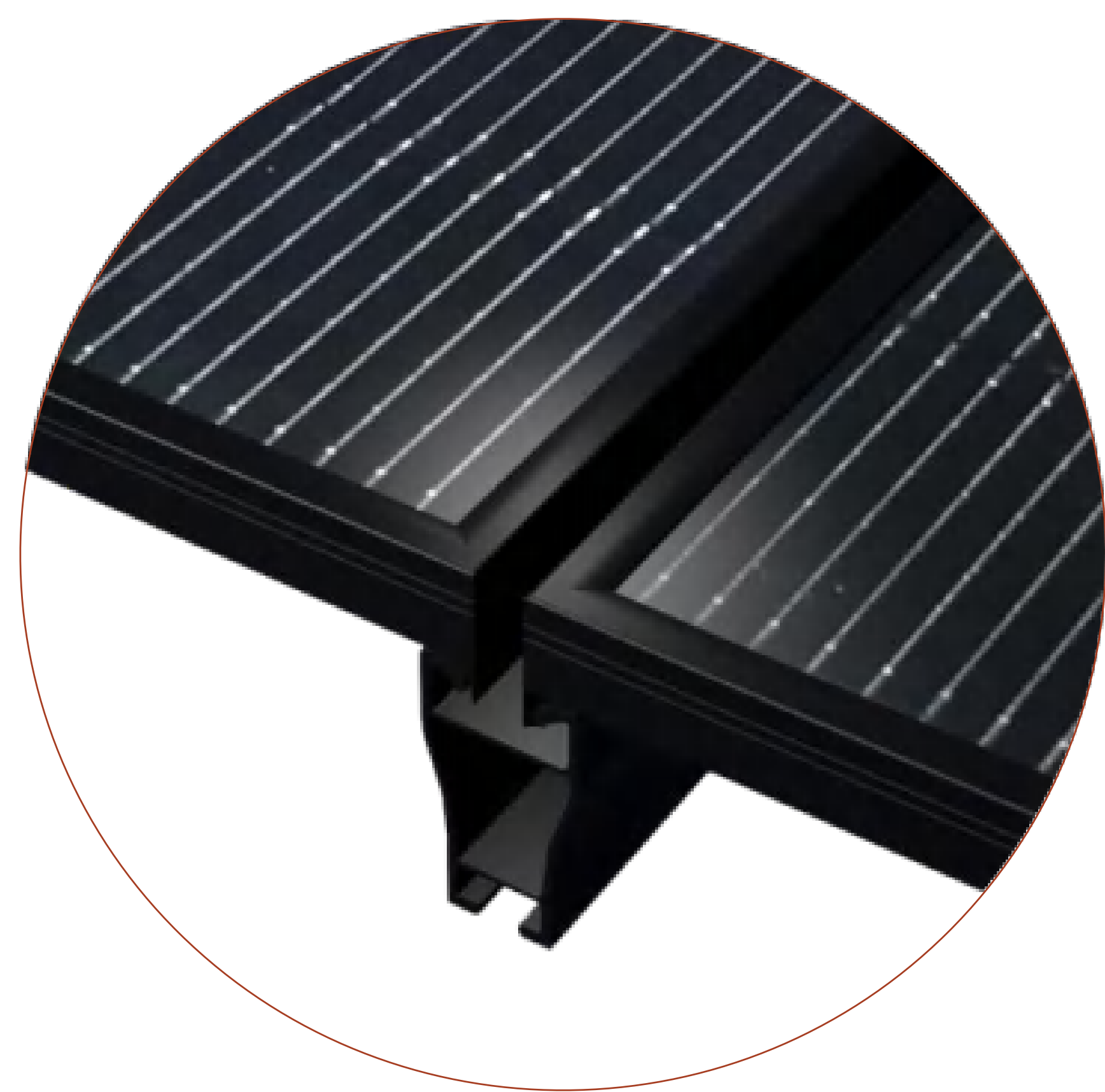
Ground Mount - Two Post 2P16

Tracker 1P17

Value Propositions

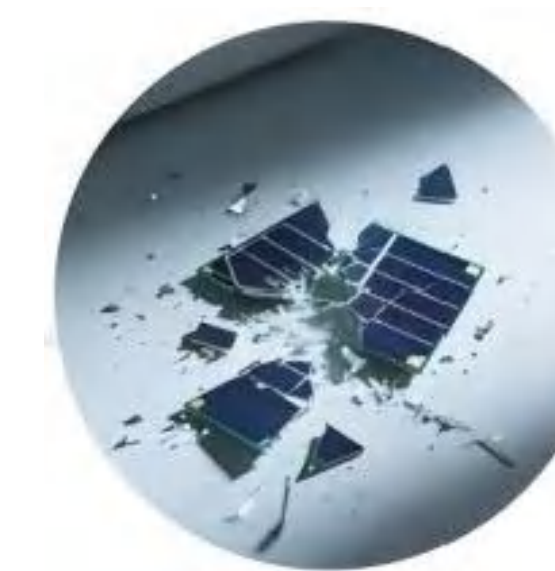


ModuRack™



No Clamps. No Bolts. No Clips.

ModuRack™



Cracks

Clip-in installation, no clamps design. This solves the root cause of modules edge cracking during installation.

Eliminate cracking caused by wind gusts.

Uplift load up to 2800pa.



Errors

The modules and the bracket become completely integrated, resulting in a more reliable installation performance.

Eliminate human errors.



Hot Spots

Frame without A-side design adaptable. Solves the dust accumulation at the frame.

Reduce the risk of edge hot spots.

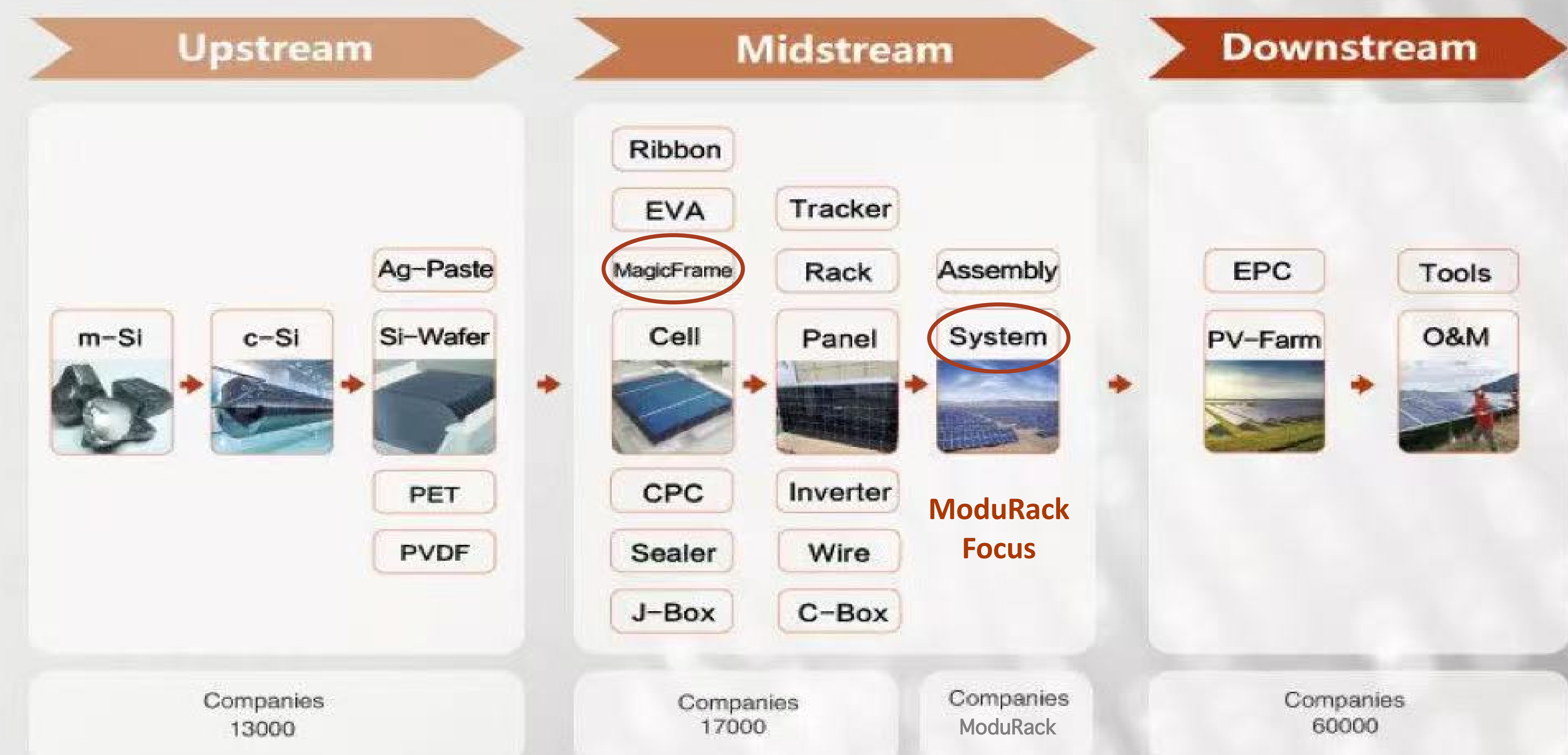


O&M

Reduce the risk of module failure during operation lifespan, reduce the need for panel replacement.

Potentially greatly reduce O&M cost.

NEW PHOTOVOLTAIC INDUSTRY CHAIN





1. SPIC Daqing 1 MW
2. Patents
3. APVIA Award
4. APVIA Award
5. C&I Flat Roof
6. Carport
7. Agrivoltaics Structure
8. Rooftop
9. Agrivoltaics Structure
10. SPIC Daqing Structure

Safest. Sleekest. Simplest.



Residential Rooftop

Assemble-Ready System



MagicSolar Residential Rooftop System is a roof-mounting solution suitable for tile, shingle and metal roofs. It's the Safest, Sleekest, and Simplest solution for solar integrators and installers. The fewest parts provide for fast and secure fixing to rafters with proving performance.

SPECIFICATIONS

Panel: 425-445W Black Panels

Frame: Aluminum Anodized Black
- MagicFrame Series

Rails: Aluminum Anodized
- Black Or Mill Finish

Hanger Bolt: M10 Stainless Steel

Flushing: 300x150 Aluminum

Tilt Angles: 0° ~ 90°

Snow Load: 3600 Pa Or 112 psf

Wind Load: 2400 Pa Or 140 mph

Mounting Orientation: Landscape

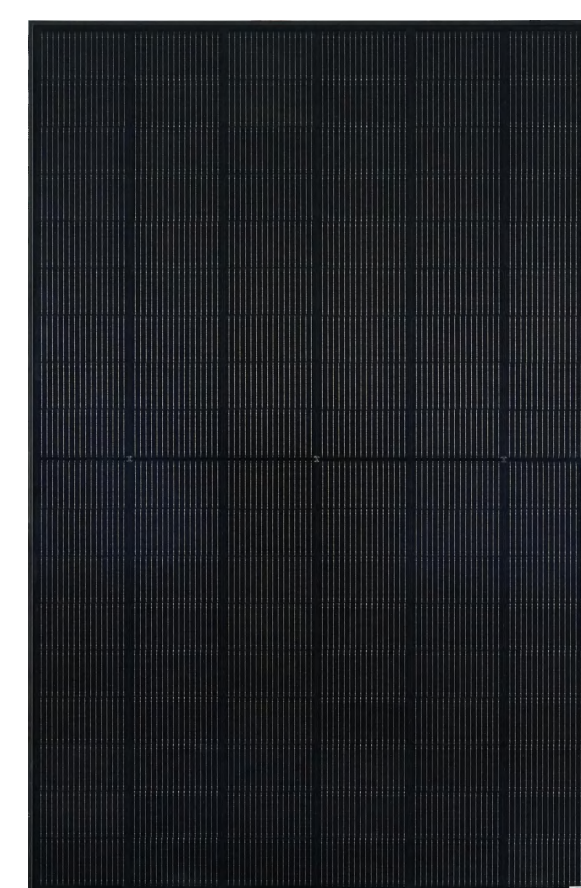
Operating Temperature: -40°C ~ +85°C

Warranty: 25 Years Structure
25 Years Panels

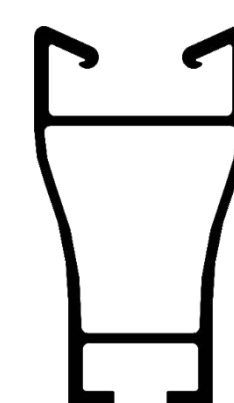
Grounding: Integrated

Other Panel Sizes: Available

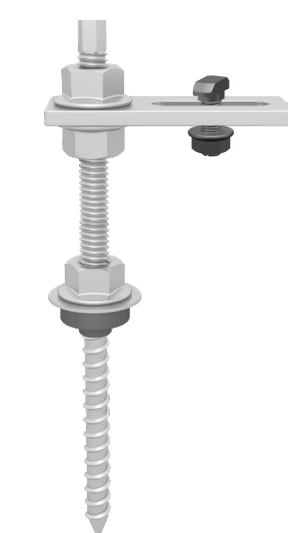
MAIN COMPONENTS



Solar Panel



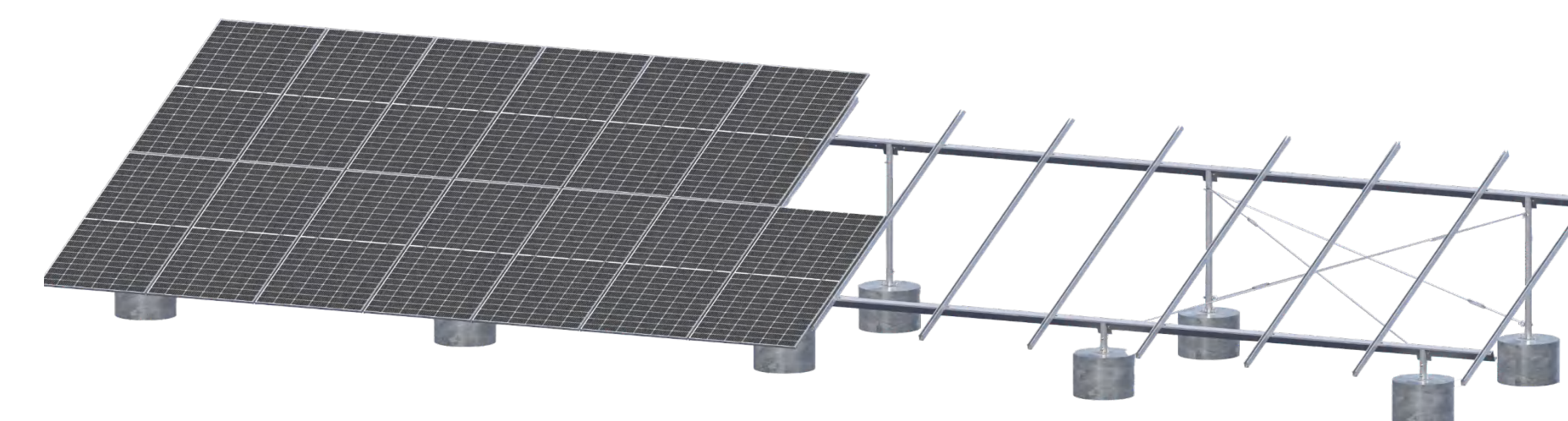
Rail



Hanger Bolt

Flat Roof South

Assemble-Ready Flat Roof System



MagicSolar Flat Roof South System is for commercial flat roof, designed for ballast. It can also be anchored to roof if supports are available. It has tilt angle 5° ~ 35° degrees. The Assemble-Ready design makes the installation fast and easy. Panels are secured in severe weather.

SPECIFICATIONS

Panel: 575-600W, Bifacial Panels

Frame: Aluminum Anodized
- MagicFrame Series

Structure: Steel - ZAM or Galvanized

Tilt Angles: 5° ~ 35°

Snow Load: 3600 Pa Or 112 psf

Wind Load: 2400 Pa Or 140 mph

Mounting Orientation: Portrait 2-High

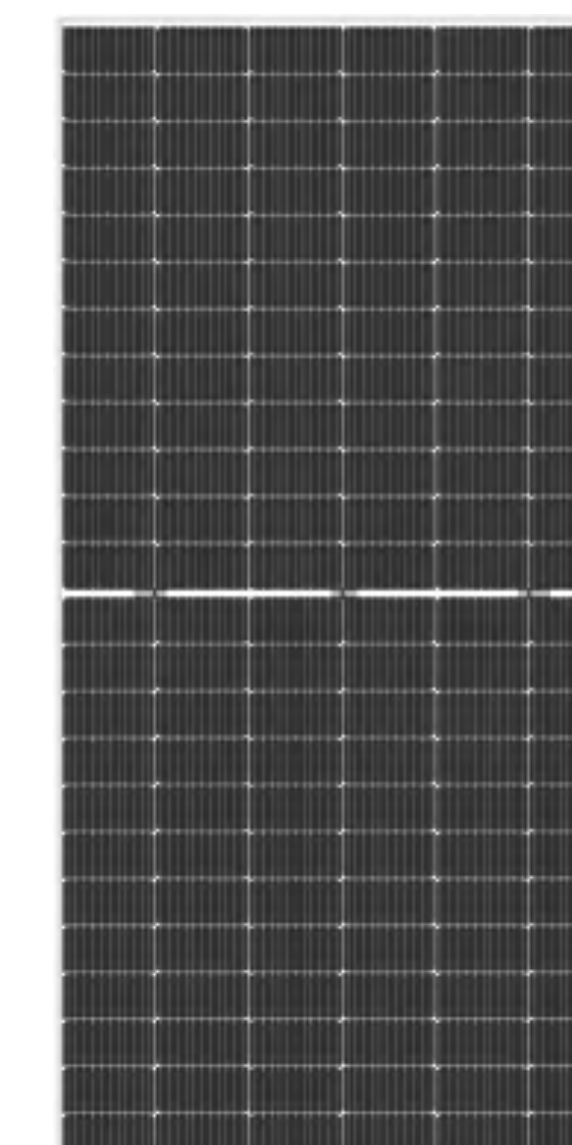
Operating Temperature: -40°C ~ +85°C

Warranty: 25 Years Structure
25 Years Panels

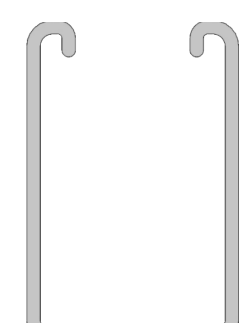
Grounding: Integrated

Other Panel Sizes: Available

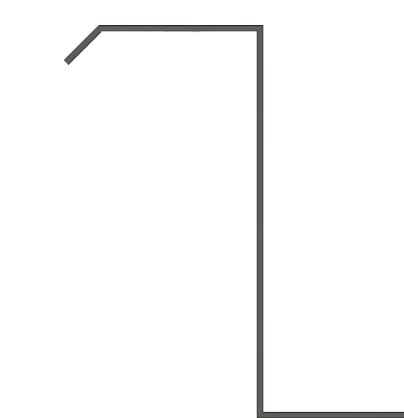
MAIN COMPONENTS



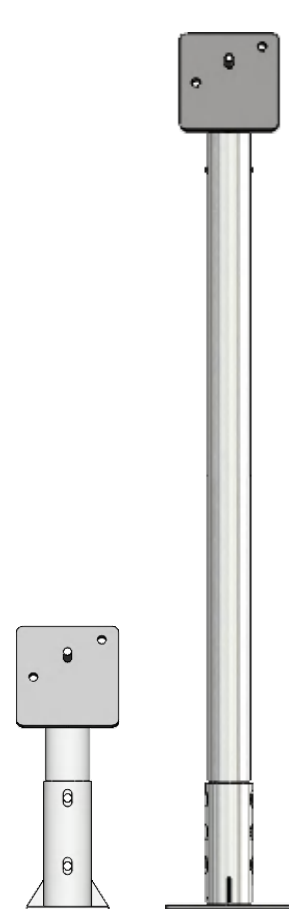
Solar Panel



Rail



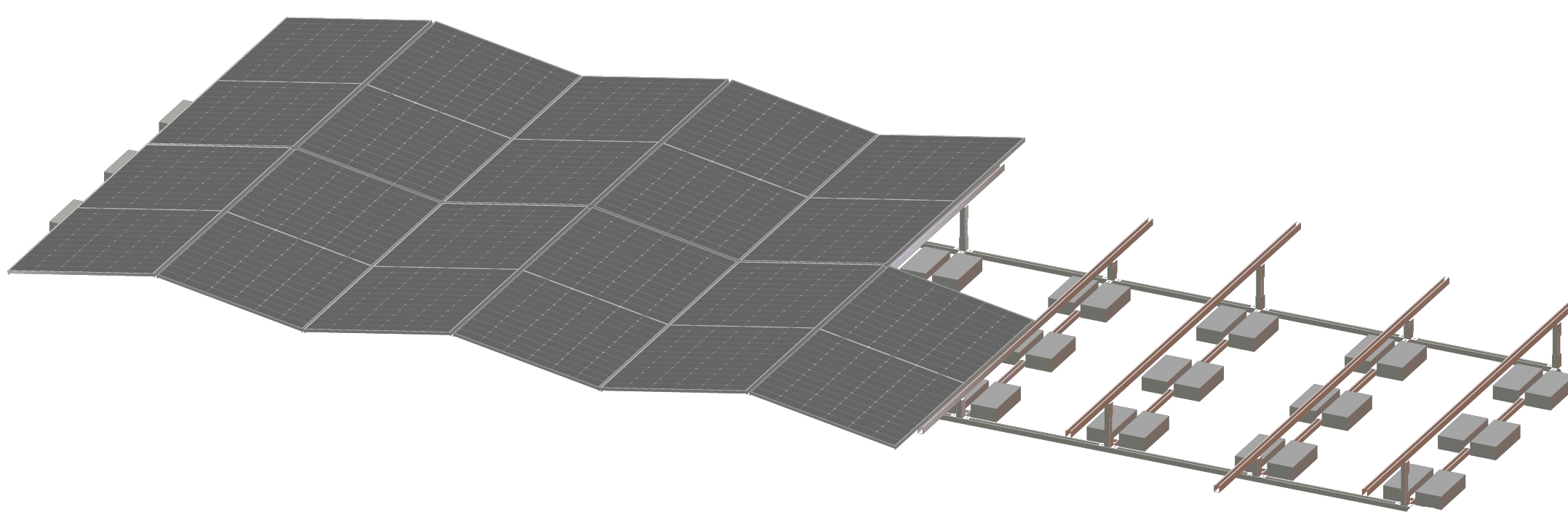
Z Purlin



Post

Flat Roof EastWest

Assemble-Ready Flat Roof System



MagicSolar Flat Roof EastWest System is for commercial flat roof, designed for ballast. It can also anchored to roof if supports are available. It has tilt angle 5 ° ~ 15° degrees. The Assemble-Ready design makes the installation fast and easy. Panels are secured in severe weather.

SPECIFICATIONS

Panel: 575-600W Panels

Frame: Aluminum Anodized
- MagicFrame Series

Rails: Anodized Aluminum ZAM Steel

Base Support: Steel ZAM or Galvanized

Tilt Angles: 5 ° ~ 15°

Snow Load: 3600 Pa Or 112 psf

Wind Load: 2400 Pa Or 140 mph

Mounting Orientation: Portrait 2-High

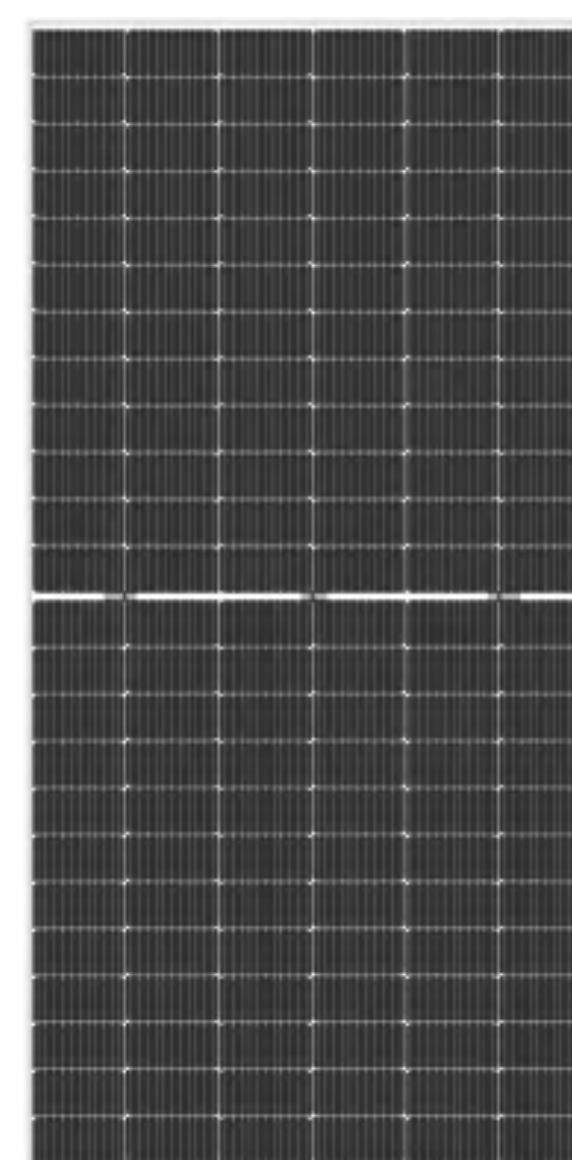
Operating Temperature: -40°C ~ +85°C

Warranty: 25 Years Structure
25 Years Panels

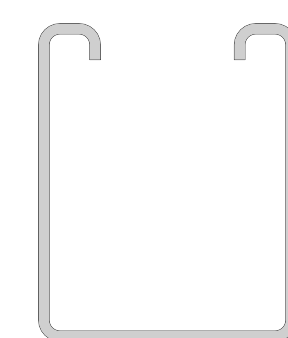
Grounding: Integrated

Other Panel Sizes: Available

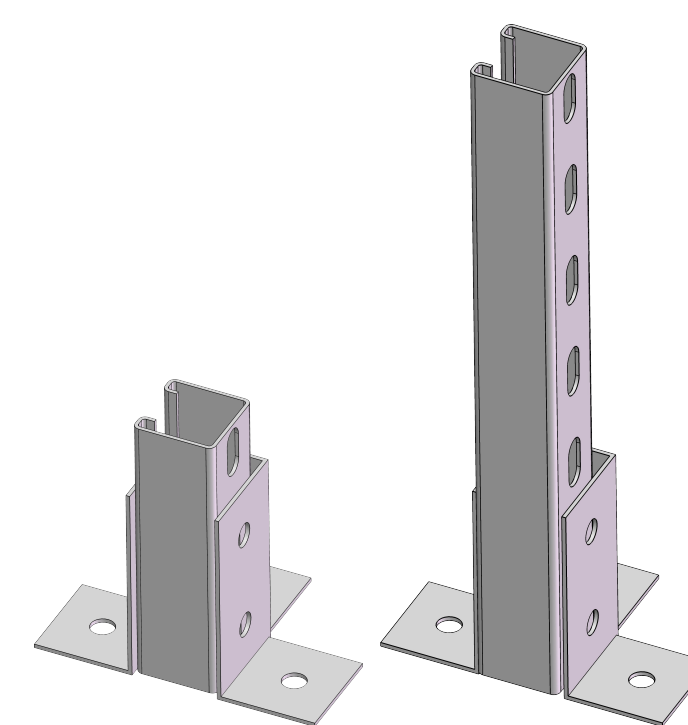
MAIN COMPONENTS



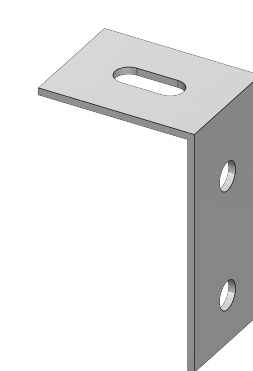
Solar Panel



Rail



Base Support



L Connector

Carport

Water Tight System



MagicSolar Carport Water Tight System is for commercial carport. It fits almost all carport structures. The Assemble-Ready design makes the installation fast and easy. Panels are secured in severe weather and carport is already water tight.

SPECIFICATIONS

Panel: 575-600W, Bifacial Panels

Frame: Aluminum Anodized
- MagicFrame Series

Structure: Steel - ZAM or Galvanized

Tilt Angles: 5° ~ 45°

Snow Load: 3600 Pa Or 112 psf

Wind Load: 2400 Pa Or 140 mph

Mounting Orientation: Portrait 2 To 6-High

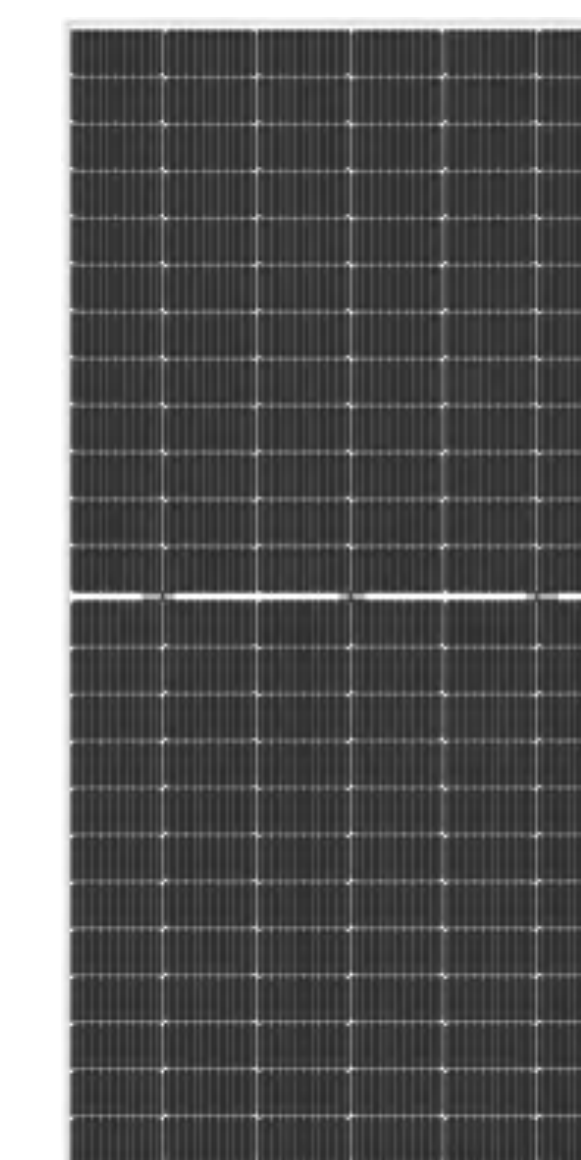
Operating Temperature: -40°C ~ +85°C

Warranty: 25 Years Structure
25 Years Panels

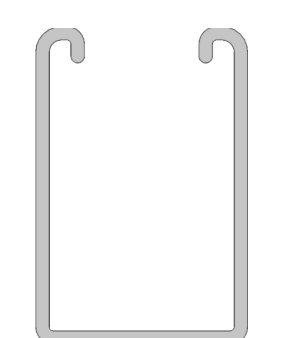
Grounding: Integrated

Other Panel Sizes: Available

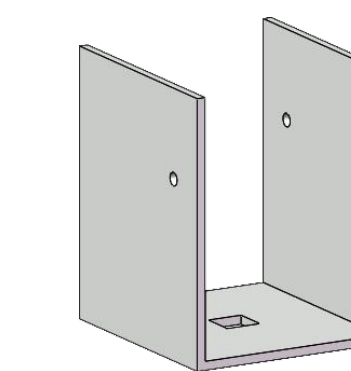
MAIN COMPONENTS



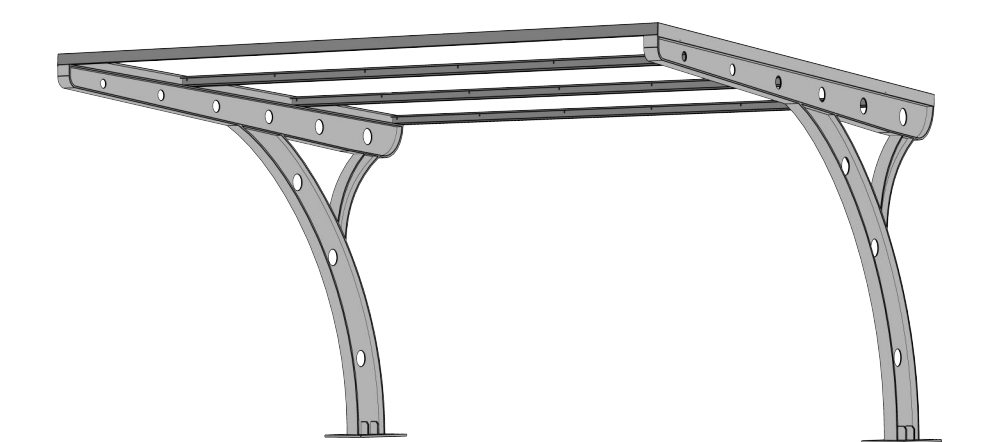
Solar Panel



Rail



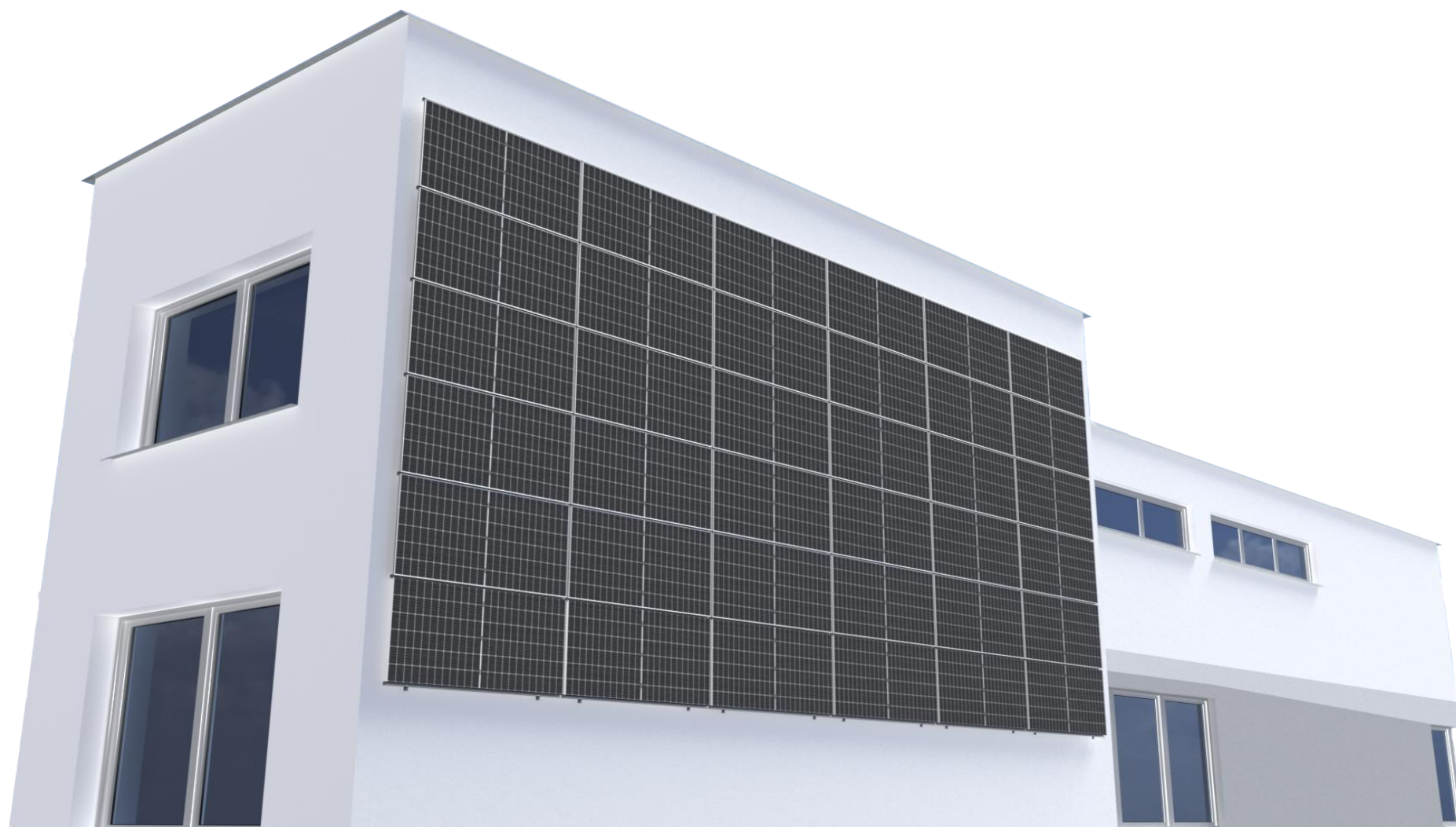
Rail Connector



Carport Structure

Facade

Safe Facade System

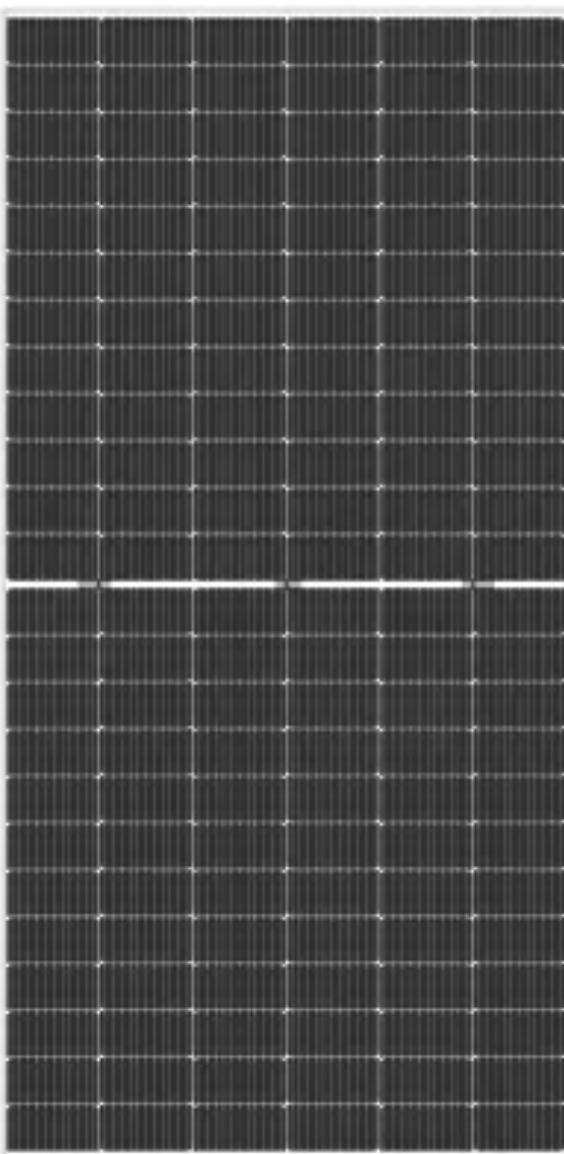


MagicSolar Safe Facade System is the safest facade solution ever available offering safety during the installation and most importantly during the entire lifespan. The fail proof design allows system application on high-rise buildings.

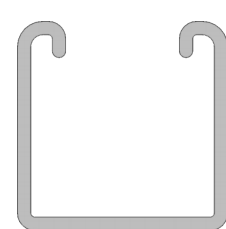
SPECIFICATIONS

- Panel:** 575-600W Panels
- Frame:** Aluminum Anodized
- MagicFrame Series
- Rails:** Anodized Aluminum Or ZAM Steel
- Base Support:** Steel ZAM or Galvanized
- Tilt Angles:** 5 ° ~ 15°
- Snow Load:** 3600 Pa Or 112 psf
- Wind Load:** 2400 Pa Or 140 mph
- Mounting Orientation:** Portrait 2-High
- Operating Temperature:** -40°C ~ +85°C
- Warranty:** 25 Years Structure
25 Years Panels
- Grounding:** Integrated
- Other Panel Sizes:** Available

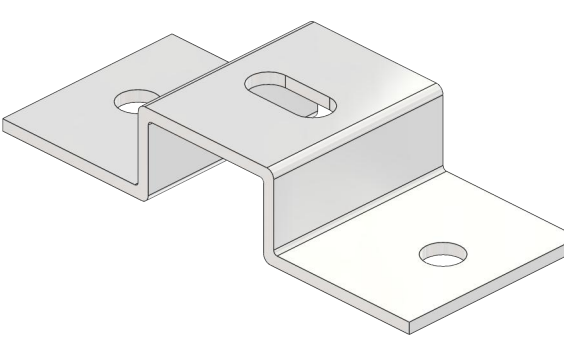
MAIN COMPONENTS



Solar Panel



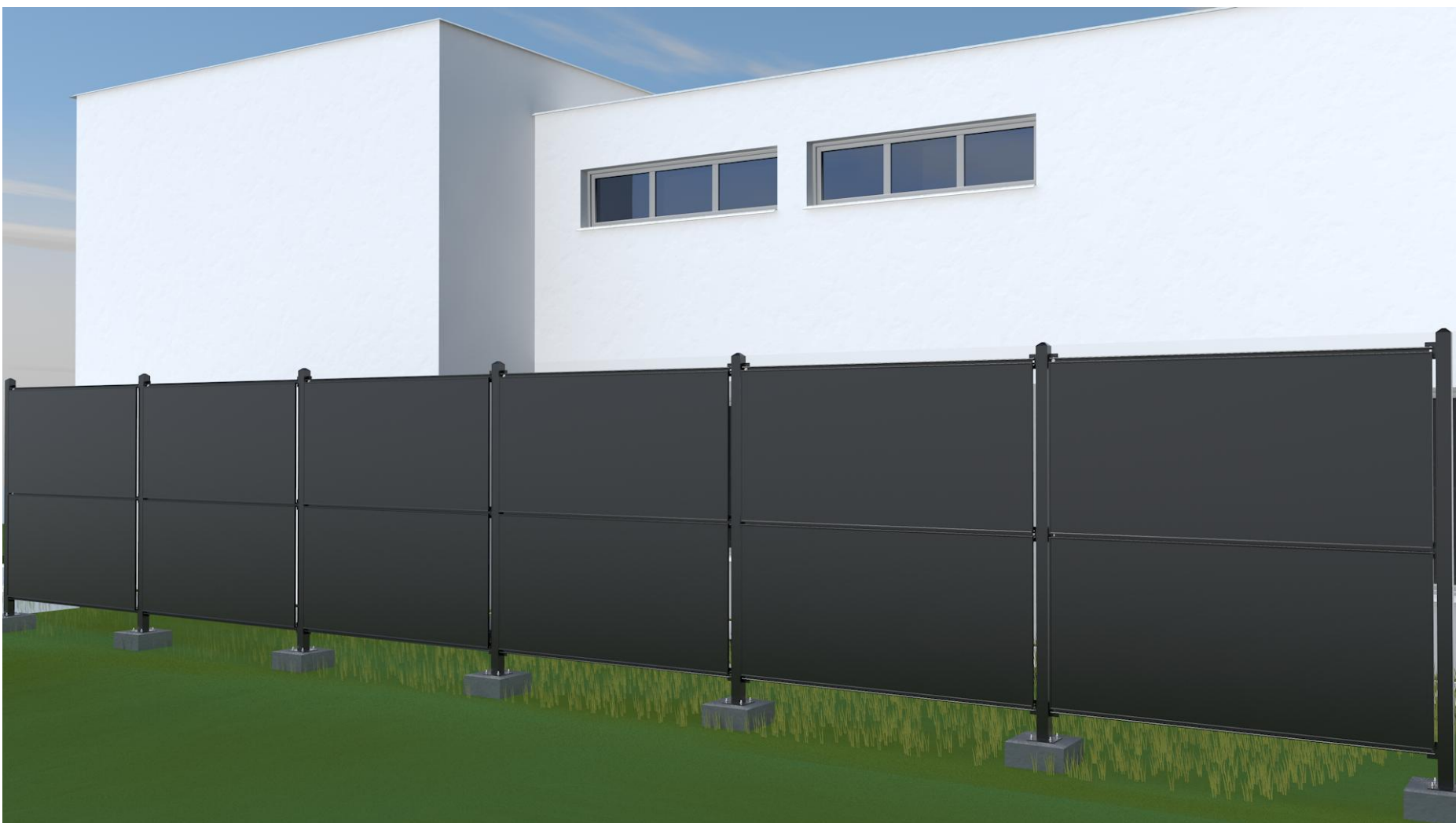
Rail



Rail Connector

Fence

Assemble-Ready Fence System

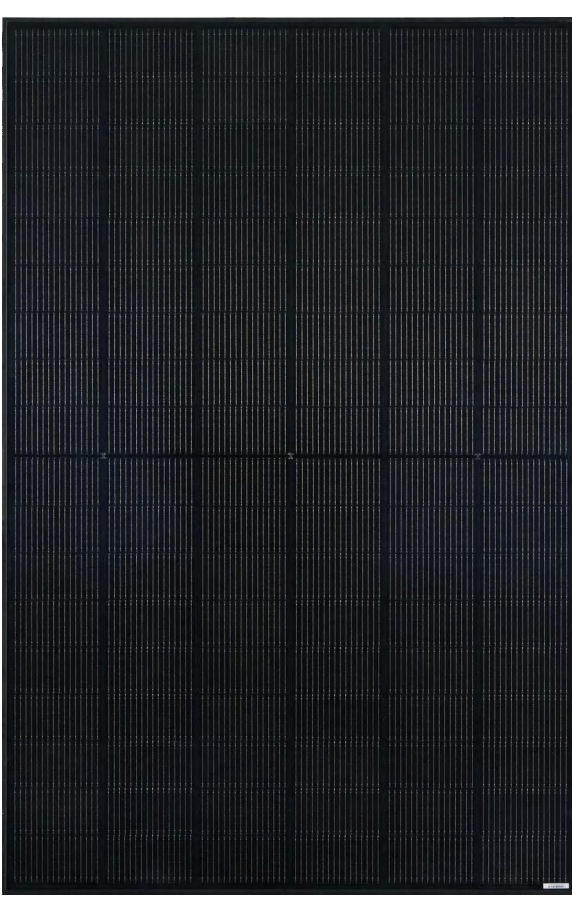


MagicSolar Fence System is designed for commercial applications. Its Assemble-Ready, intuitive design ensures fast and easy installation. Panels are fixed without possibility of loose panel as well as preventing potential theft. Various sizes and colors available for design requirements.

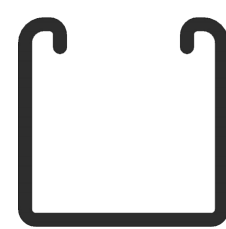
SPECIFICATIONS

- Panel:** 425-445W Black Panels
- Frame:** Aluminum Anodized Black
- MagicFrame Series
- Structure:** Steel - ZAM or Galvanized
- Snow Load:** 3600 Pa Or 112 psf
- Wind Load:** 2400 Pa Or 140 mph
- Mounting Orientation:** Landscape 2-High
- Operating Temperature:** -40°C ~ +85°C
- Warranty:** 25 Years Structure
25 Years Panels
- Grounding:** Integrated
- Other Panel Sizes:** Available

MAIN COMPONENTS



Solar Panel



Rail



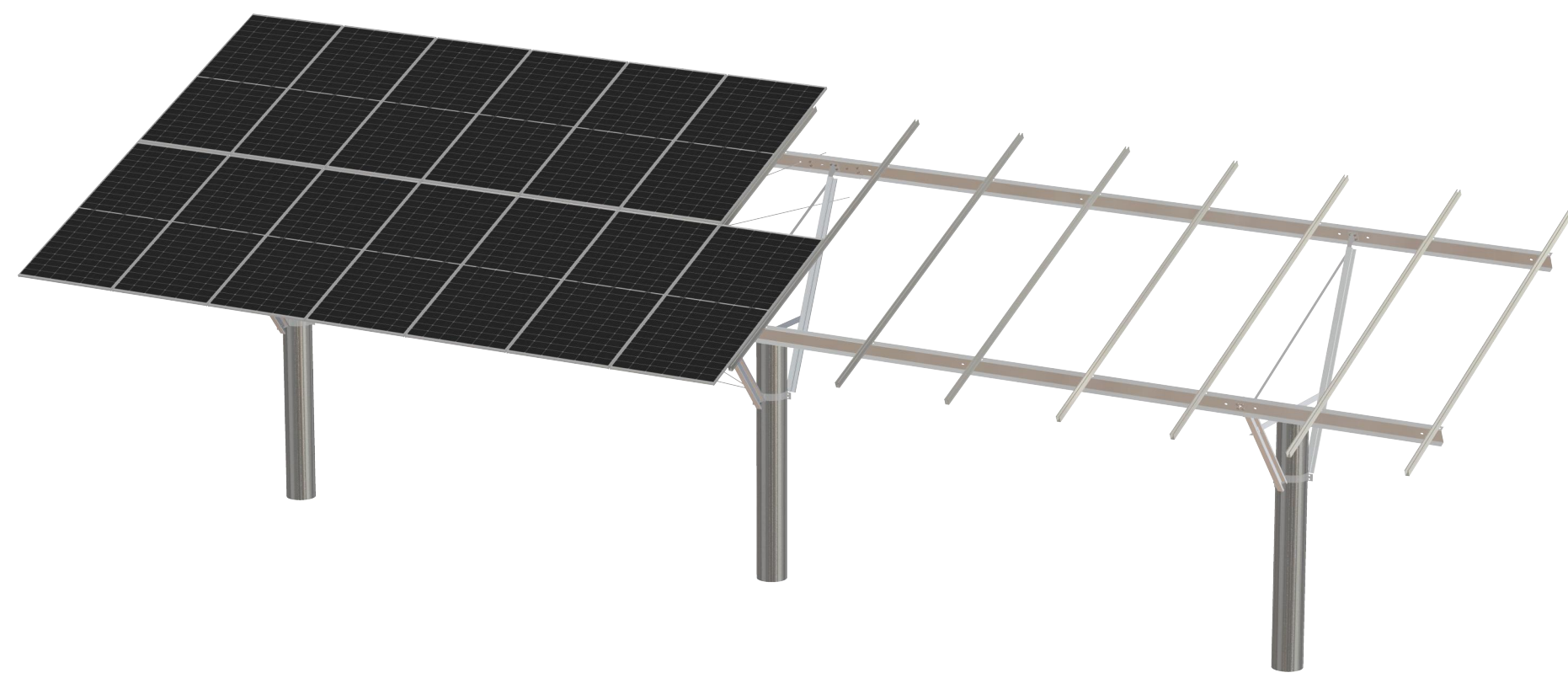
Rail Connector



Column

Ground Mount - One Post 2P

World's Fastest Assemble-Ready System



MagicSolar Ground Mount - One Post 2P is assemble-ready. It is designed to be mounted on concrete or steel piles. The system saves developer and installers time and money especially large scale projects. Most of all, no point stress prevent micro cracks leading to dramatic maintenance cost reduction. It's particularly good for agrivoltaics.

SPECIFICATIONS

Panel: 575-600W Panels

Frame: Aluminum Anodized
- MagicFrame Series

Rails: Anodized Aluminum Or ZAM Steel

Base Support: Steel ZAM or Galvanized

Tilt Angles: 5° ~ 45°

Snow Load: 3600 Pa Or 112 psf

Wind Load: 2400 Pa Or 140 mph

Mounting Orientation: Portrait 2-High

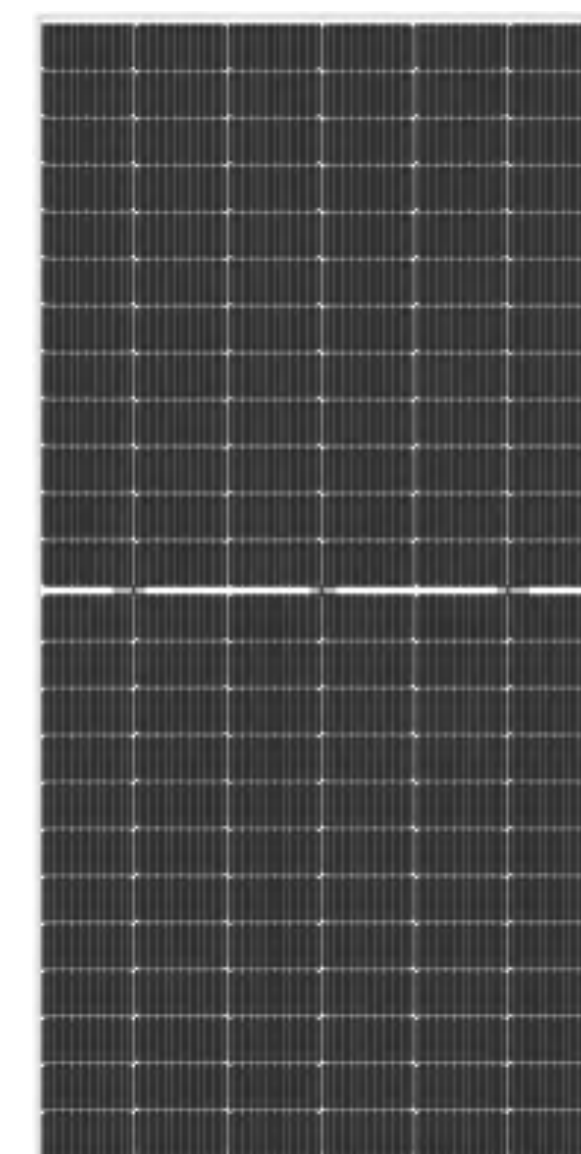
Operating Temperature: -40°C ~ +85°C

Warranty: 25 Years Structure
25 Years Panels

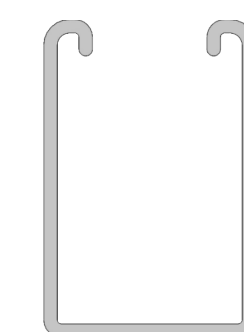
Grounding: Integrated

Other Panel Sizes: Available

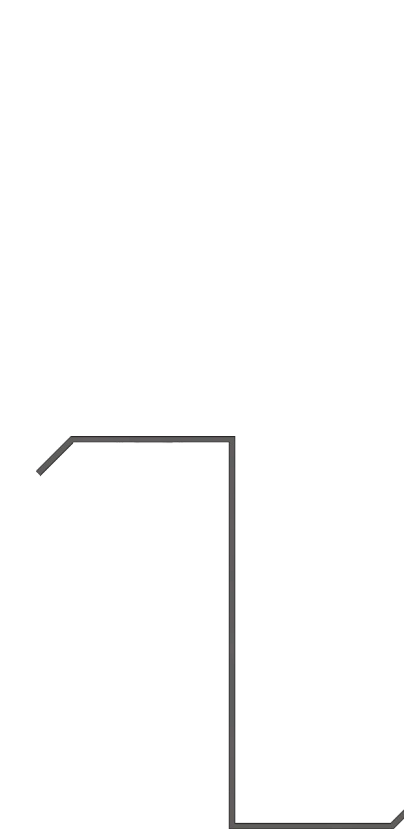
MAIN COMPONENTS



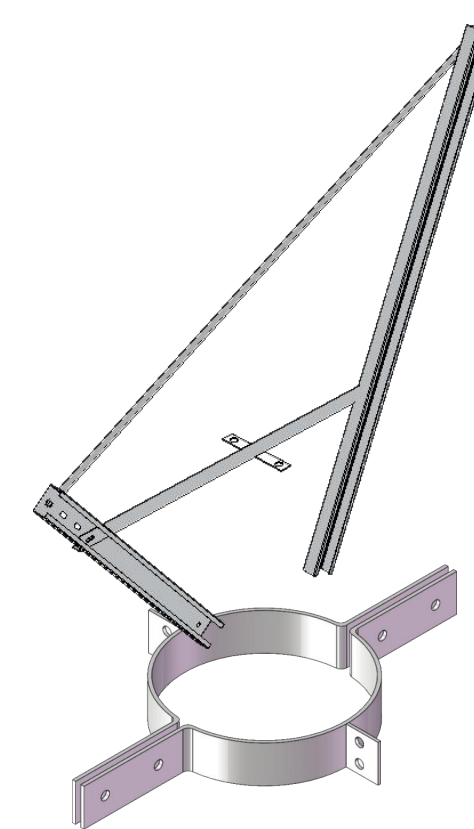
Solar Panel



Rail



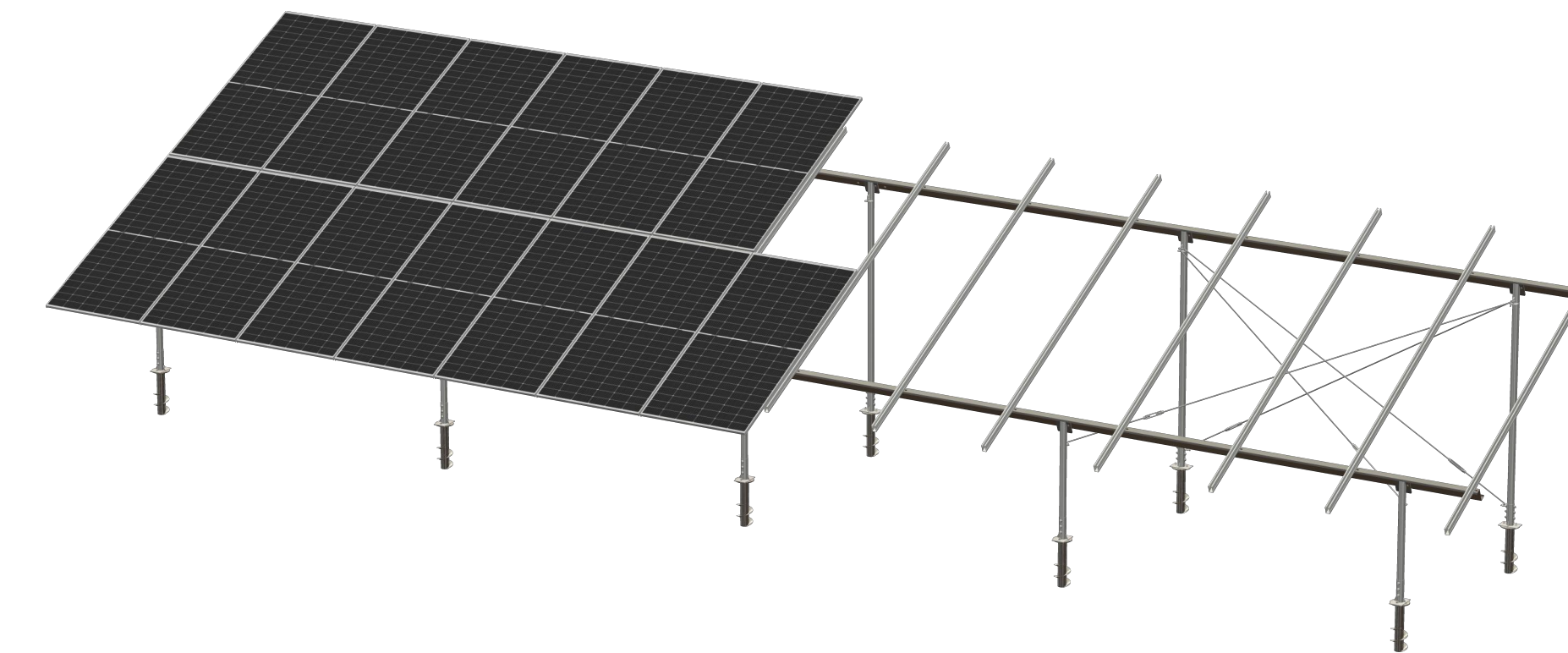
Z Purlin



Support Structure

Ground Mount - Two Post 2P

World's Fastest Assemble-Ready System



MagicSolar Ground Mount - TWO Post 2P is assemble-ready. It is designed to be mounted on steel piles. The system saves developer and installers time and money especially for large scale projects. Most of all, no point stress prevent micro cracks leading to dramatic maintenance cost reduction.

SPECIFICATIONS

Panel: 575-600W, Bifacial Panels

Frame: Aluminum Anodized
- MagicFrame Series

Structure: Steel - ZAM or Galvanized

Tilt Angles: 5° ~ 45°

Snow Load: 3600 Pa Or 112 psf

Wind Load: 2400 Pa Or 140 mph

Mounting Orientation: Portrait 2-High

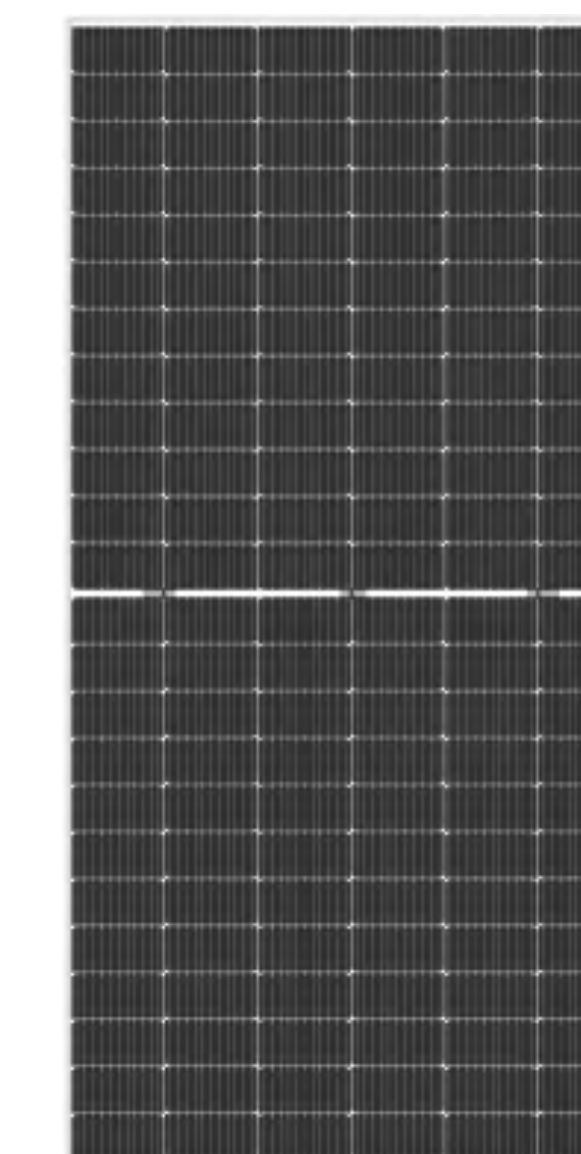
Operating Temperature: -40°C ~ +85°C

Warranty: 25 Years Structure
25 Years Panels

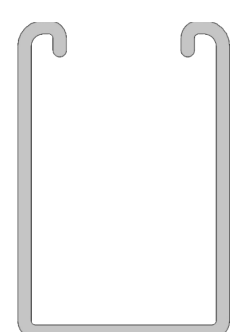
Grounding: Integrated

Other Panel Sizes: Available

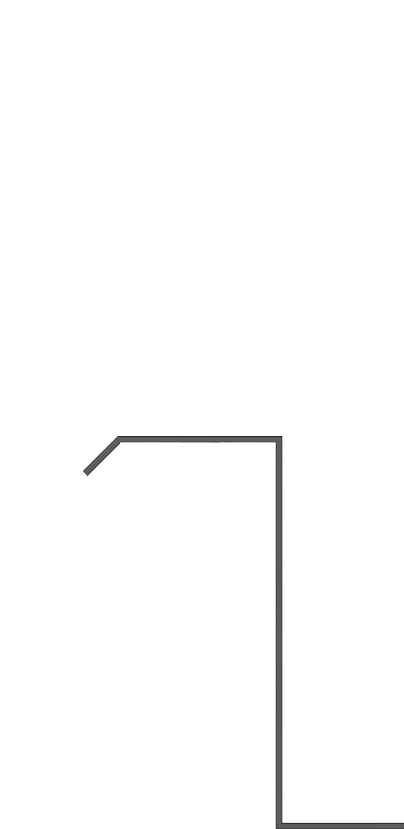
MAIN COMPONENTS



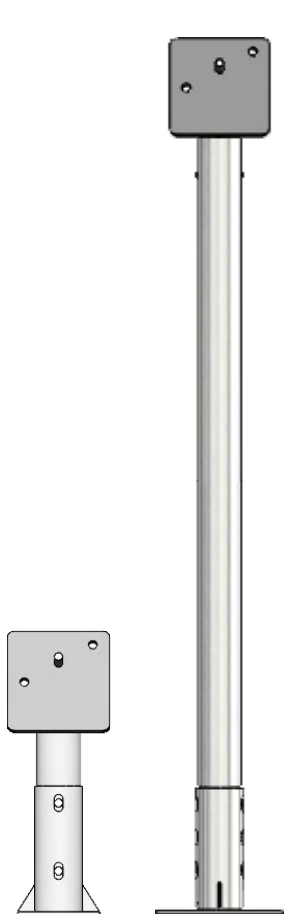
Solar Panel



Rail



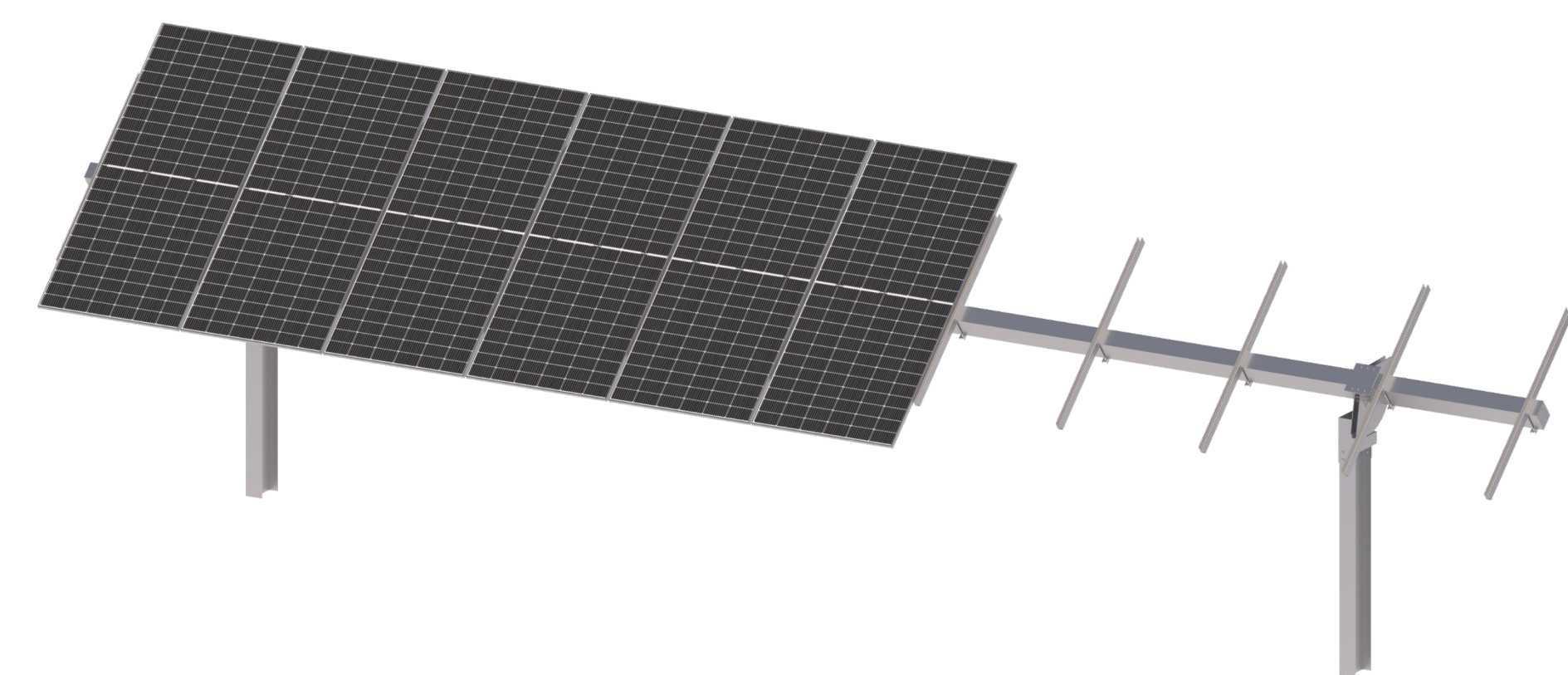
Z Purlin



Post

Tracker 1P

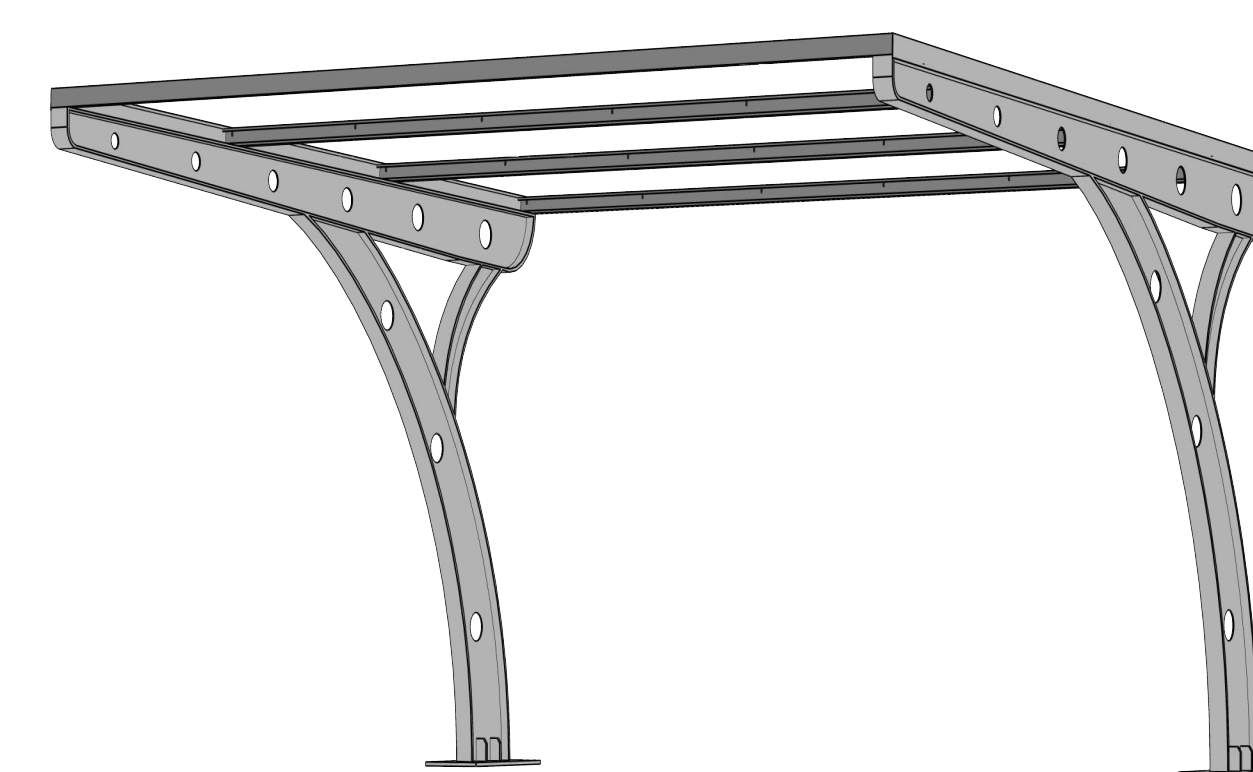
High Wind Load System



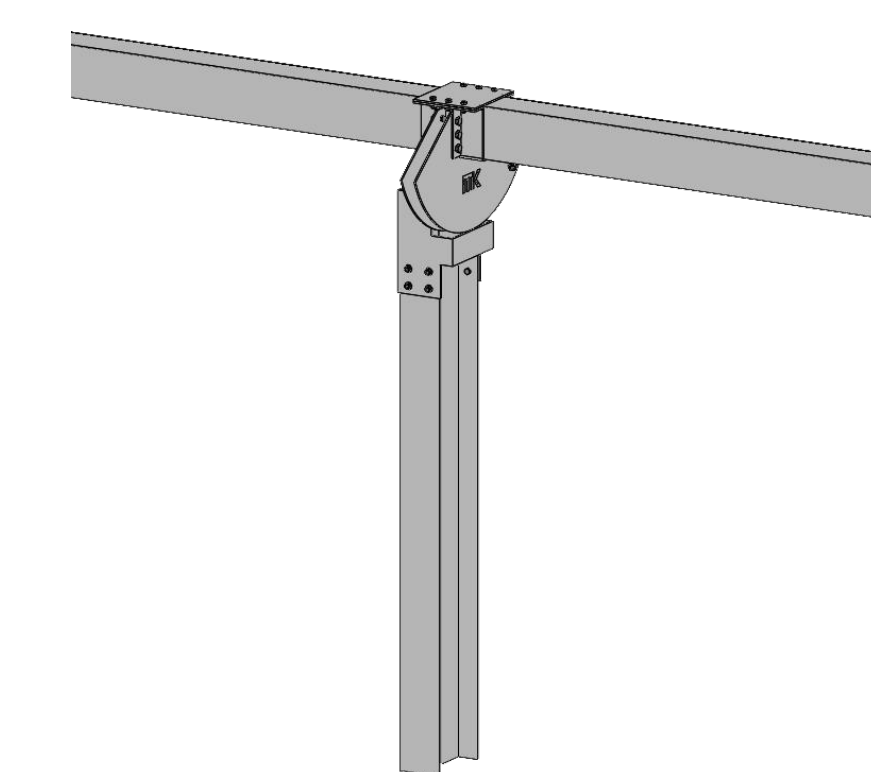
MagicSolar Tracker 1P System is the easiest assembly, highest wind load tracker system. It is designed to fit most trackers. This system is using widely available standard Unistruts, making it easy for developer and installers. No point stress prevent micro cracks leading to maintenance cost reduction.

Optional Components

Quality Components



Carport Base Structure



Tracker Structure



Screw Piles

SPECIFICATIONS

Panel: 575-600W Panels

Frame: Aluminum Anodized
- MagicFrame Series

Rails: Anodized Aluminum Or ZAM Steel

Base Support: Steel ZAM or Galvanized

Tilt Angles: $\pm 70^\circ$

Snow Load: 3600 Pa Or 112 psf

Wind Load: 2400 Pa Or 140 mph

Mounting Orientation: Portrait 1 Or 2-High

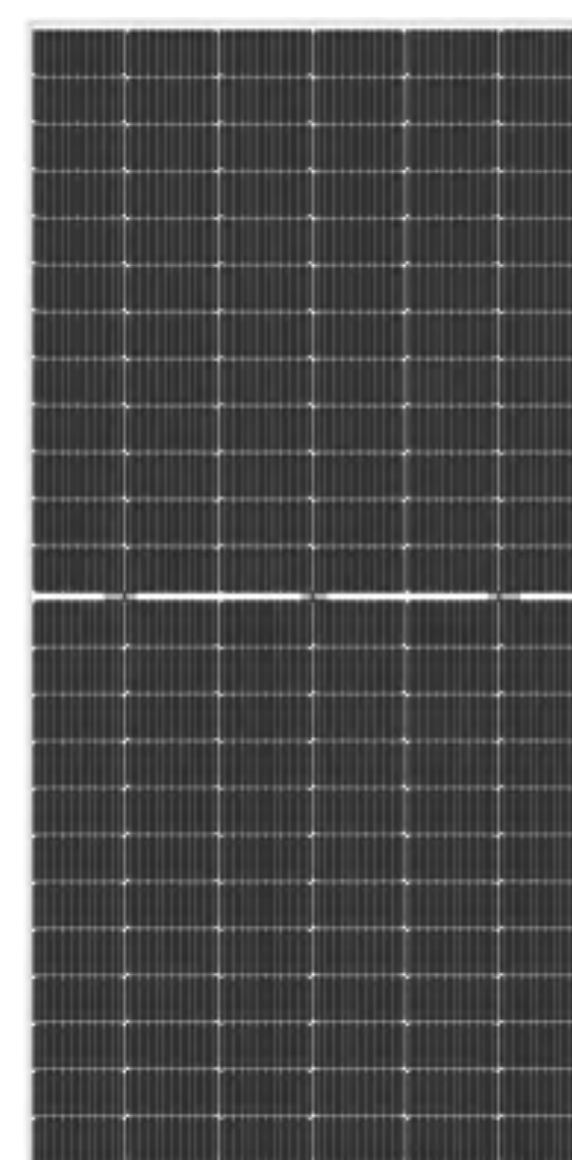
Operating Temperature: $-40^\circ\text{C} \sim +85^\circ\text{C}$

Warranty: 25 Years Structure
25 Years Panels

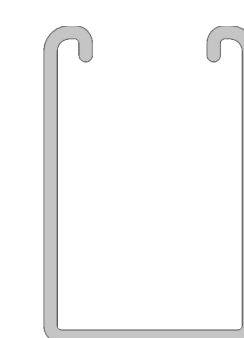
Grounding: Integrated

Other Panel Sizes: Available

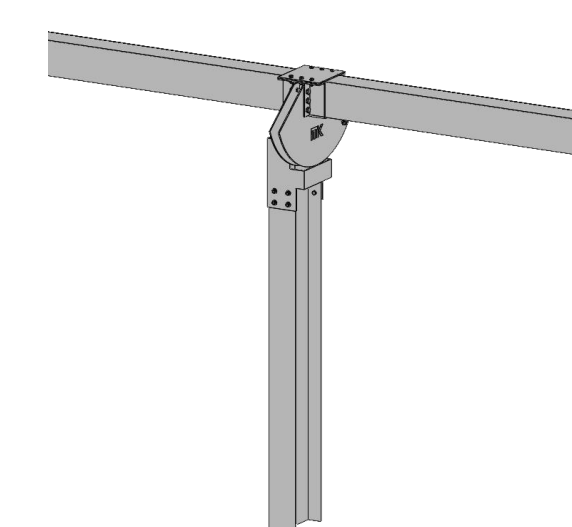
MAIN COMPONENTS



Solar Panel



Rail



Tracker Structure

PANEL PARTNERS

LONGI

Jinko Solar

SPIC

SunSpark
Technology Inc.

Gstar RUNERGY

EINNOVA
SOLARLINE