

POWERWAY

GLOBAL INNOVATIVE

PV SYSTEM SOLUTION PROVIDER

POWERWAY

Powerway Renewable Energy Co.,Ltd

Add(Sanshui): No.11 , Area D , Leping Industrial Park ,
Sanshui , Foshan , Guangdong , China
Add(Chancheng): E-17 Floor, Foshan New & Hi-tech zone Technology Industrial Park,
No.13 HuaBaoNan Road, Chancheng , Foshan , Guangdong , China
Tel: +86 757 8259 6536
E-mail: info@pvpowerway.com
Web: www.pvpowerway.com

Czech Republic Subsidiary

Add: Revolucni 655/1, Star Msto, 110 00 Praha 1, Czech Republic IC: 195 23 963

Japan Office

Add: 151-0072 Hatagaya, Shibuya-ku, Tokyo 2-7-2 Hatagaya You Center Building 8F
Tel: +03 3373 1155

Philippines Office

Add: Unit 36-G San Lorenzo Tower, The Residences at Greenbelt
Esperanza Street, Legaspi Village, Makati City, Metro Manila, Philippines
Tel: +63 095 6685 0593

Malaysia Office:

Add: Atwater Residence Tower 2, Jalan Profesor Diraja, Ungku Aziz, Seksyen 13,
46200 Petaling Jaya, Selangor, Malaysia
Tel: 0060 1120786287

Chile Office:

Add: Calle La Gioconda 4300, Las Condes, Santiago, Chile

Taiwan Office:

Add: No. 38, Lane 37, Xingnan Road, Nanzi District, Kaohsiung, Taiwan



WWW.PVPOWERWAY.COM



PRODUCT CATALOG



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About Powerway

Powerway Renewable Energy Co.,Ltd. (abbreviated as'Powerway'), founded in 2010. Powerway is a leading global solutions provider of solar mounting systems, with headquarter in Foshan city, Guang Dong province, China and branch office in Czech/Japan/Malaysia/Philippines/Chile. With 15 years of commitment to innovation and reliability, our products meet international certification standards, such as BV, UL, CE, IEC, TÜV and collaboration with CPP and RWDI. Specializing in utility-scale solar projects, our solutions are known for their outstanding economy, durability, and reliability. To date, we have delivered over **25GWp** of products and services in 86 countries, contributing to clean, sustainable power and the decarbonization of society. Powerway continues to be a trusted name, with a strong global presence and strategic partnerships in the renewable energy industry.

 **25 GW+**
Cumulatively Installed

 **86**
Countries and Regions

 **15**
Years Specialized in PV Systems

 **110 +**
Patents

 **10 GW+**
Annual Production Capacity



Environmental Friendly Production

Reduce Scrap Rates, Reduce Energy Consumption and Waste Emissions; Pass ESG Certification In 2022; ISO14067 (Carbon Label Standard) and ISO 14064 (Carbon Footprint Standard) In 2023.



Empower the World Win-Win Partnerships

Contribute to 25 GW energy for PV plant.



Technological Innovation

Powerway Participated in Drawing Up the Domestic Industry Standards. Built an International Standard R&D Laboratory and Contribute to the Innovation of Industry Technology; Continuously Devote to the PV Solution More Stable, More Energy-saving.

ESG

DNV

CO2

ecovadis

WVI

cpp

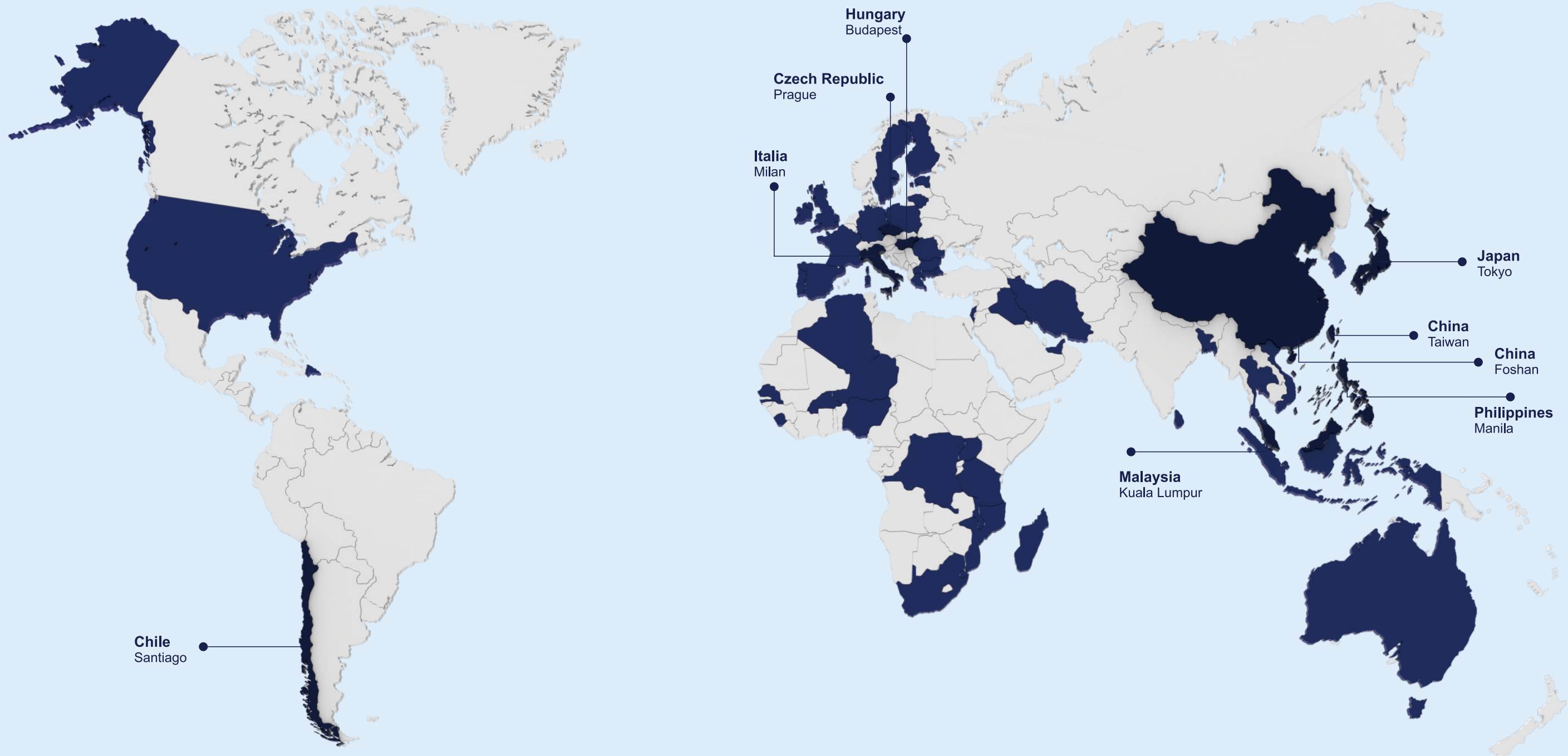
UL

CQM
China Quality Mark

IEC

CE

SGS



The Cumulative Installed PV Power

25GW+

PV Installed Capacity



Data Deadline: 2024.12

R&D and Innovation

Powerway is committed to providing efficient clean energy solutions and continuously optimizing product performance.



International Standardization Laboratory



System Optimization Study



Performance Evaluation and System Improvement Condition Test



Scenario Adaptability Study



Accelerate Lifetime Study

Digital Production Manufacturing



Digital production manufacturing integrates advanced technologies to optimize the structure production process, enhanced quality control and reduced downtime.



With digital production, we achieve superior product consistency and faster time-to-market, setting new standards in the industry.






Each process is accompanied by corresponding inspection criteria to ensure the quality and traceability of the entire product manufacturing process, providing customers with stable and high-quality products.



To meet the delivery requirements of our global customers, especially in Europe, we have established high-quality and stable partnerships with suppliers in Spain, Portugal, and Turkey. These collaborations significantly reduce project lead times, ensuring timely and efficient delivery.



 **Structural Design**
• Material Selection
• Framework Design
• Construction Method
• Mechanical Design

 **Foundation Design**
• Pile Foundation Type Review
• Foundation Size and Bearing Capacity Design

 **Construction Design**
• Layout Design, Installation Drawing


 **Construction Guidance**

 **Electrical Commissioning**

 **Maintenance Guidance**


 **Accessories List**
• Accessories and Consumables List
• Unloading and Construction Tool List

 **Technical Support**
• Pre-project design and Basic Construction Guidance
• Construction Site Technical Support

 **After-sales Service**
• Operation and Maintenance Guidance Documents
• Maintenance Recommendations

 **1500 +**
Project Implementation Experience

 **60 +**
Engineers for Design and Technical Support

 **24**
On-line Service Support

 **48**
Provide Customized Design Solutions Proposal



Powerway Solar Tracking System



This is the basic model of PowerFit. It is driven by the horizontal single axis and arranged modules in single portrait. PowerFit adapts monofacial and bifacial modules(include: Frameless module).The new design improves the performance of wind load and snow load while the high power modules were installed.

System Parameter

Capacity	42.6~58.8 KW/Tracker
Area	0.9~1.7 ha/MW

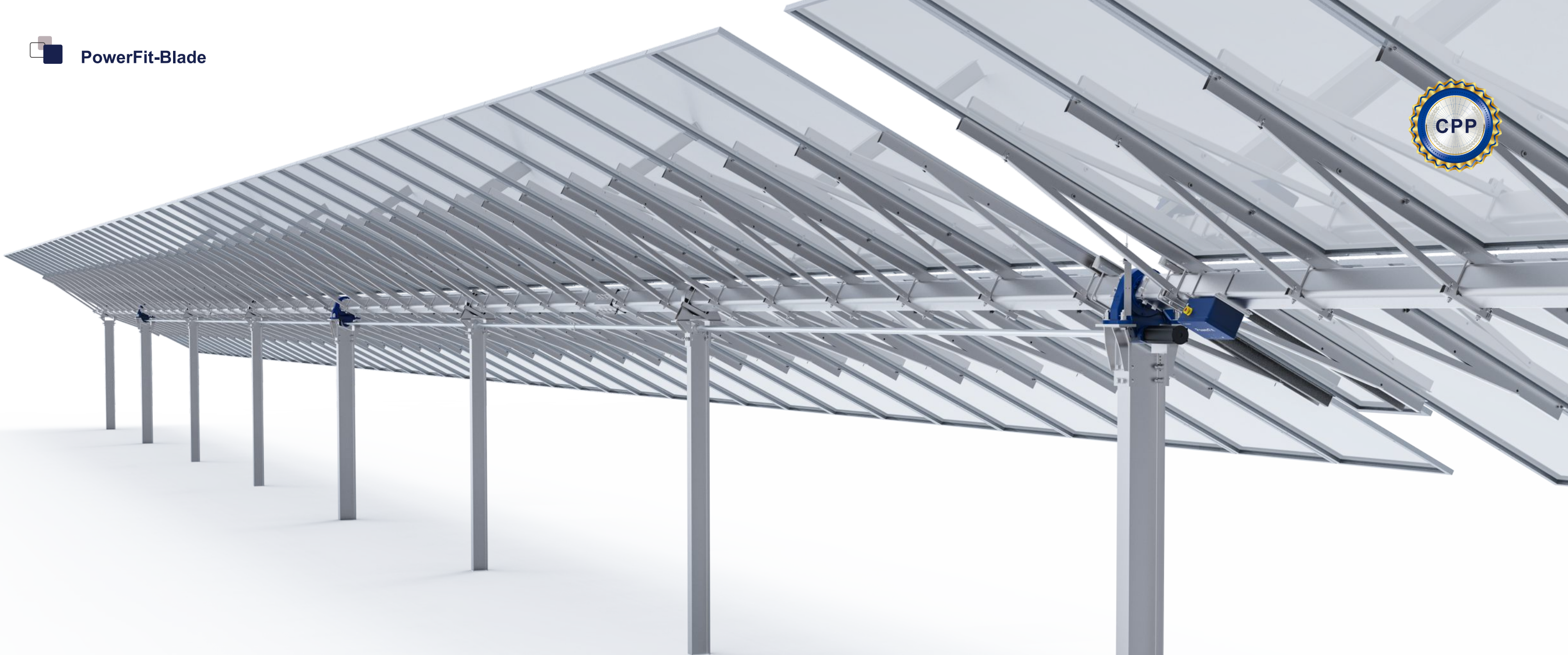
Mechanical Parameter

Drive System	Slew Drive, Geared DC Motor
Strings on Tracker	1~3 Strings
Slope	N-S & E-W ≤ 15%, Customized on request up to 30%
Module Type	Available for all the types of module on the market
Configuration	1P
Protection Wind Speed	18m/s (3s gust, MRI=50) or 12m/s (EN, 10min)
Survival Wind Speed	45m/s (3s gust, MRI=50) or 32m/s (EN, 10min), higher wind load is available

Electrical Technical Parameter

Power Supply	L+N 90~260V AC (Wide Voltage Input), 37V DC (Self-powered Module with Battery)
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The **PowerFit-Blade PV Tracker** is a new generation of single-axis multidrive transmission tracker of Powerway and adapt high power modules. The compact design enables PowerFit-Blade to reduce the number of parts for higher installation efficiency. With its excellent performance, PowerFit-Blade realizes the installation arrangement in high wind speed areas. With intelligent tracking algorithms, PowerFit-Blade will maximize potential of each module in the power station.

System Parameter

Capacity	66.3~70.8 KW/Tracker
Area	0.8~1.7 ha/MW(8-16m Pitch)

Mechanical Parameter

Drive System	Distributed-driven Design, Slew Drive
Strings on Tracker	4 strings (182mm 545-635Wp) & 3 string (210mm 600-700+Wp)
Slope	N-S ≤ 15% (Customizable), E-W ≤ 15%
Module Type	Available for all the types of module on the market
Configuration	2P
Protection Wind Speed	18m/s (3s gust, MRI=50) or 12m/s (EN 10min)
Survival Wind Speed	45m/s (3s gust, MRI=50) or 31.5m/s (EN 10min), higher wind load available

Electrical Technical Parameter

Power Supply	L+N 90~260V AC (Wide Voltage Input), 37V DC (Self-powered Module with Battery)
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The **PowerFit-Agri PV Tracker** is a groundbreaking solution merging solar PV with agriculture. With a unique rotation range, it provides new farming scenario during harvest season, boosting farming efficiency. This design not only maximizes energy use from fixed tilted mounting but also introduces solar tech to agriculture, offering a sustainable and efficient energy solution for farms.

System Parameter

Capacity	31.25~32 KW/Array
Area	0.6 ha/MW(6m Pitch)

Mechanical Parameter

Drive System	Slew Drive, Geared DC Motor
Strings on Tracker	0.5~3 strings
Slope	N-S ≤ 5% (Customizable), E-W ≤ 10%
Module Type	Available for all the types of module on the market
Configuration	1P
Protection Wind Speed	18m/s (3s gust, MRI=50) or 12m/s (EN 10min)
Survival Wind Speed	35m/s (3s gust, MRI=50) or 25m/s (EN 10min), higher wind load available

Electrical Technical Parameter

Power Supply	L+N 90~260V AC (Wide Voltage Input), 37V DC (Self-powered Module with Battery)
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Vertical Rotation
Rotates up to 90 Degrees
Enabling Harvest Activity



Reduced Height
Rational Design Reduces
Overall Height, Minimizing
Steel Use, Lowering Cost



Environmentally Friendly
Eco-conscious Design
Provides Clean,
Sustainable Energy

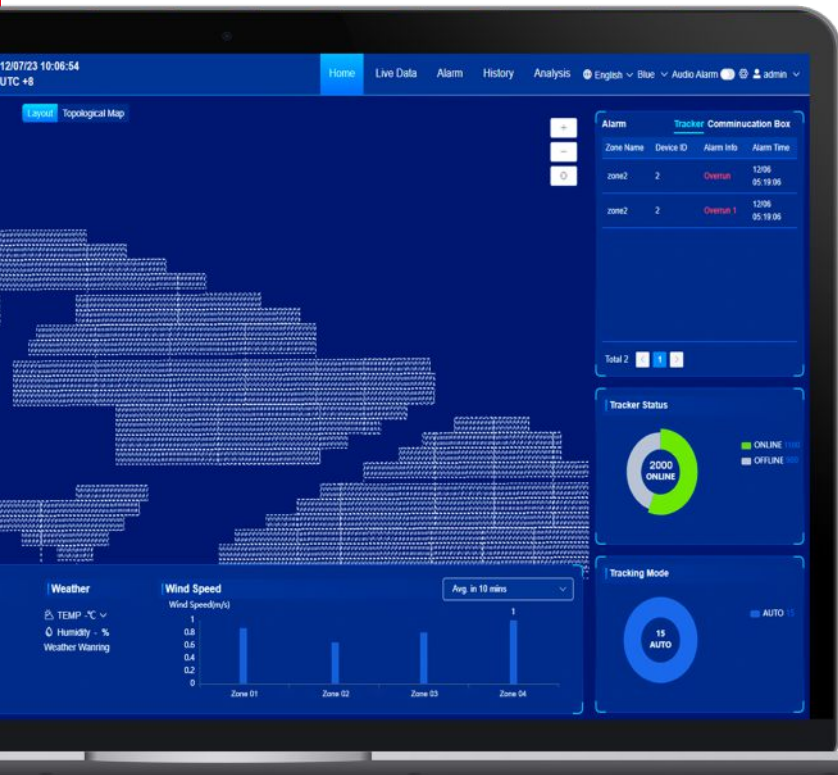


Versatile Applications
Offering a Flexible Energy
Solution for Diverse
Agricultural Scenarios



Easy Installation
Simple Yet Robust
Structure Ensures
Easy Installation.

Intelligent Tracking Algorithm



Intelligent Operation and Maintenance

- Dynamically Monitor The Operating Status Of The Bracket
- Real-Time Display Of Bracket Failure Alarms
- Storage Bracket Key Information Log

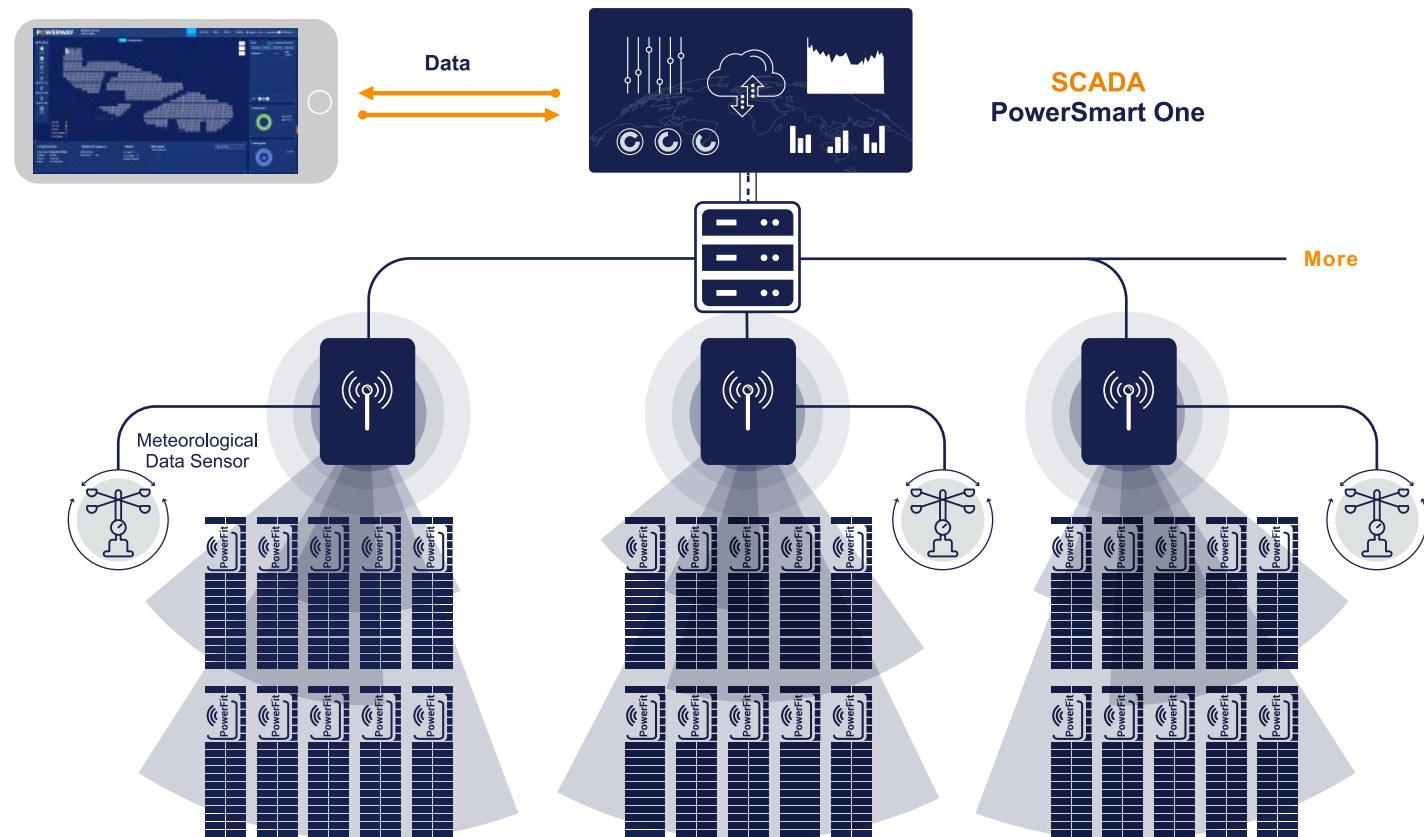
Improve Power Generation Efficiency

- Control Bracket Operating Mode & Target Angle
- Set Stand Parameters Individually Or In Groups

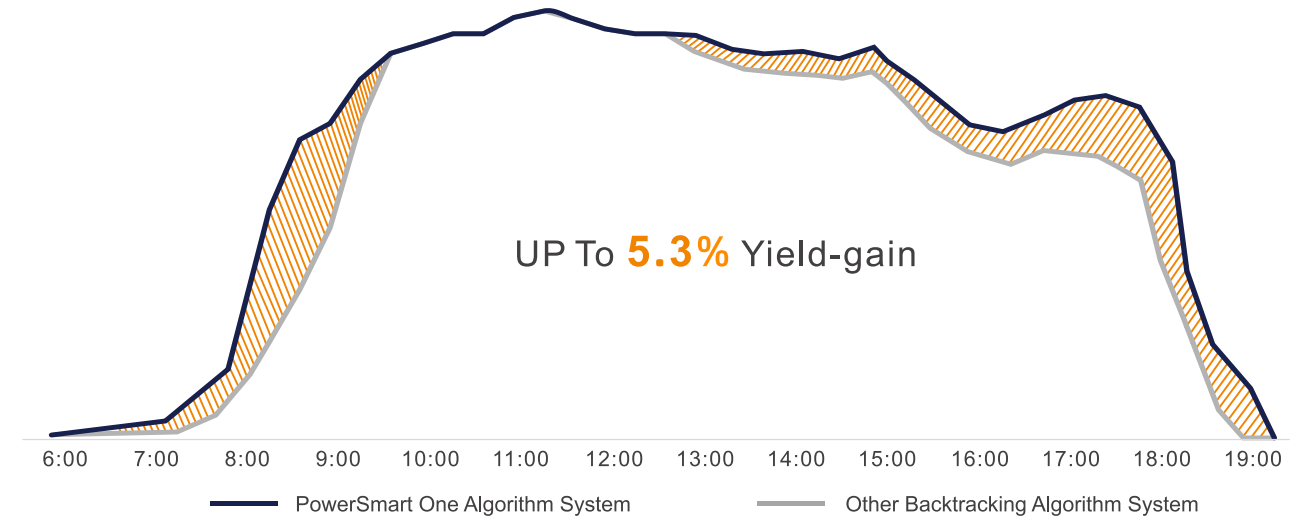
Gut CAPEX Costs 3%

Powerway Tracking Intelligent Solutions Include

Tracking mount, tracking controllers, communication controllers, intelligent algorithms, and monitoring platforms. They can also be flexibly matched with other equipment such as power station side SCADA and inverters to create an integrated photovoltaic tracking system solution.

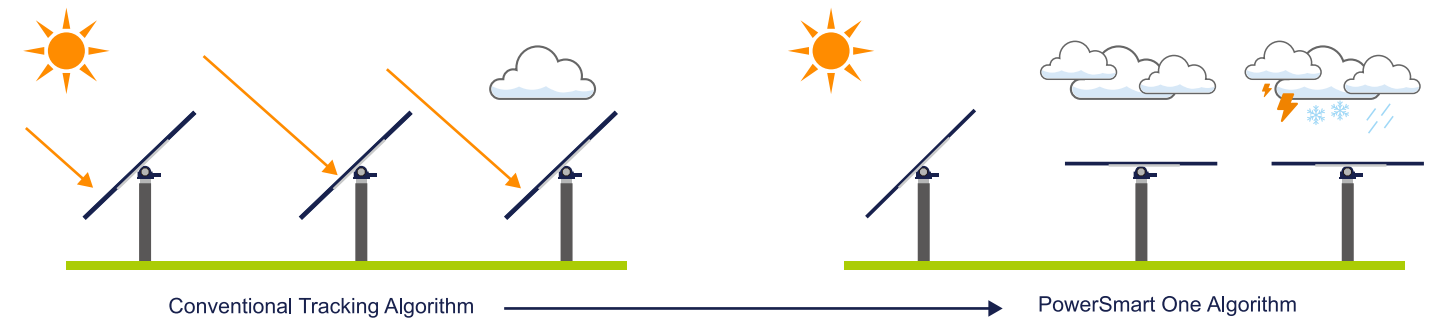


PowerSmart One Algorithm



Part 1 Intelligent Tracking Algorithm— Increase Power Generation in Cloudy Weather and Other Weather Conditions

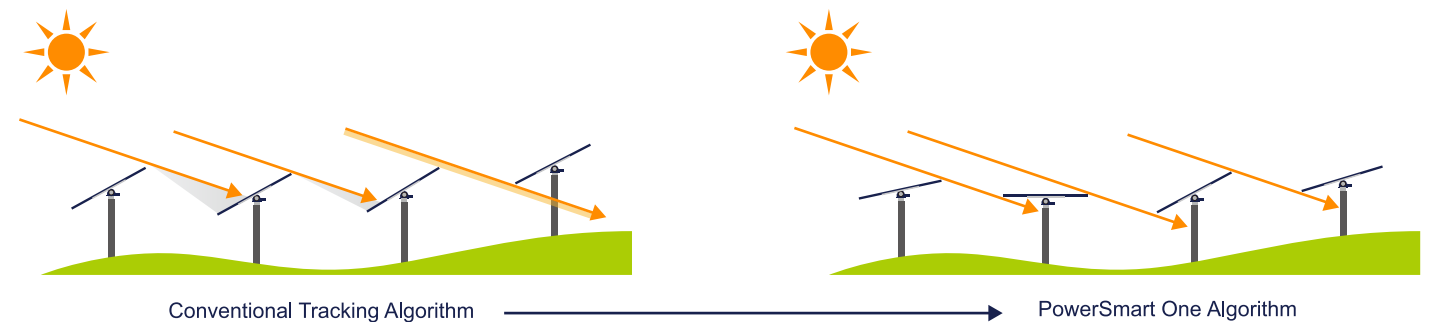
Based on meteorological and system operation data, dynamically optimize the best tracking angle in real-time to enhance power generation in high diffuse radiation weather conditions.



- Multi-dimensional analysis to ensure optimal power generation throughout the cycle;
- Reduce the rotation of the effectively extend the service life of the motor.

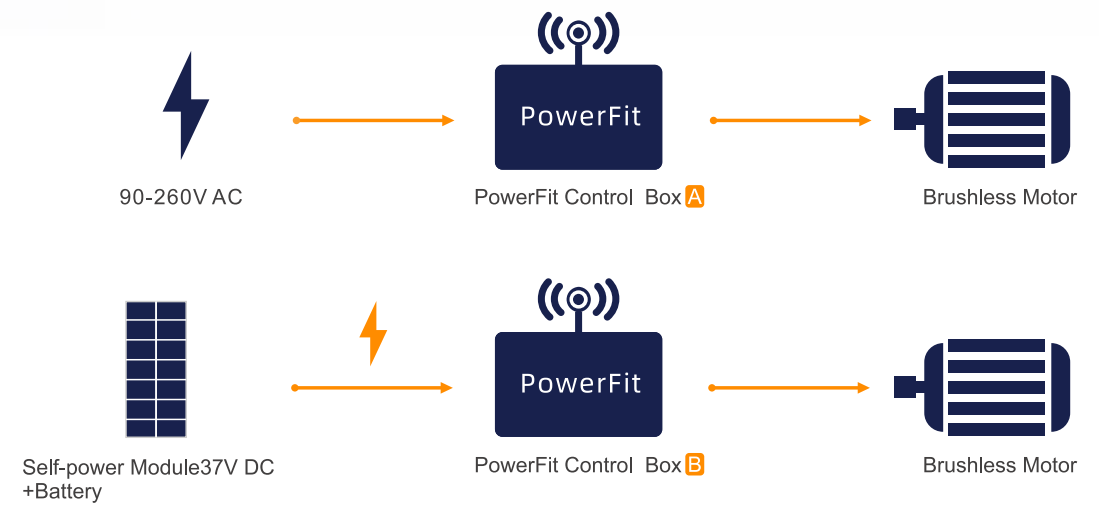
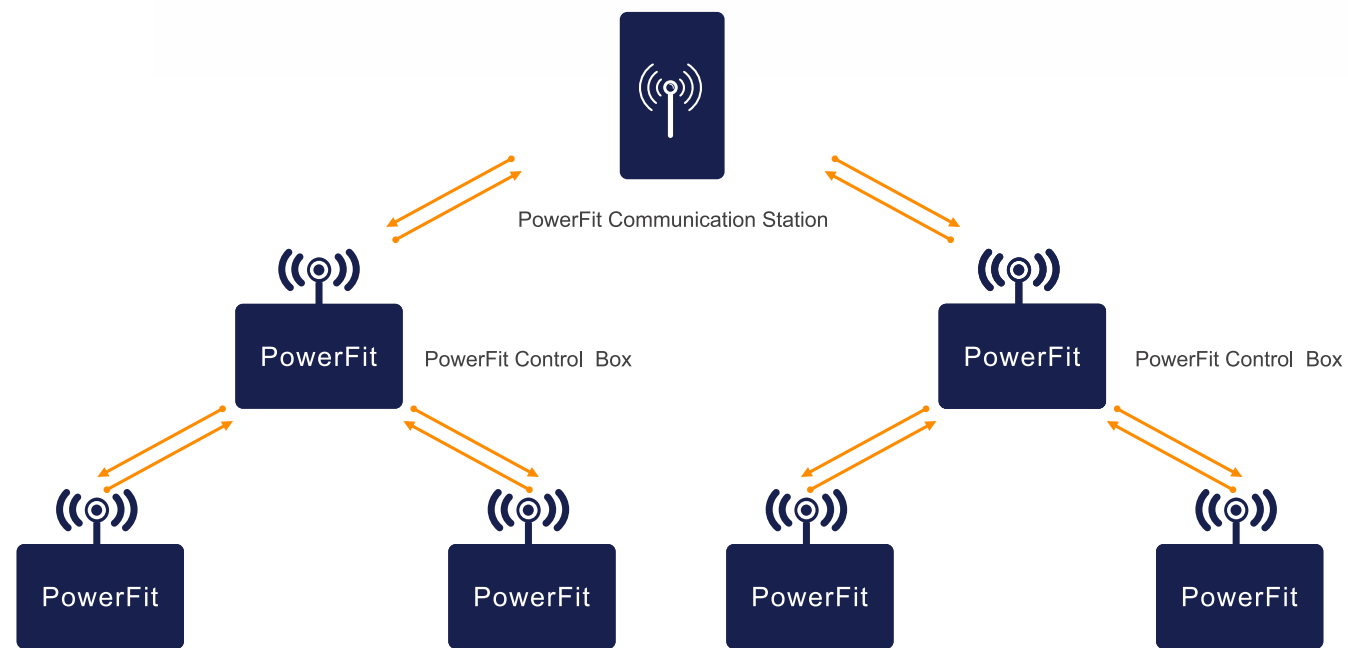
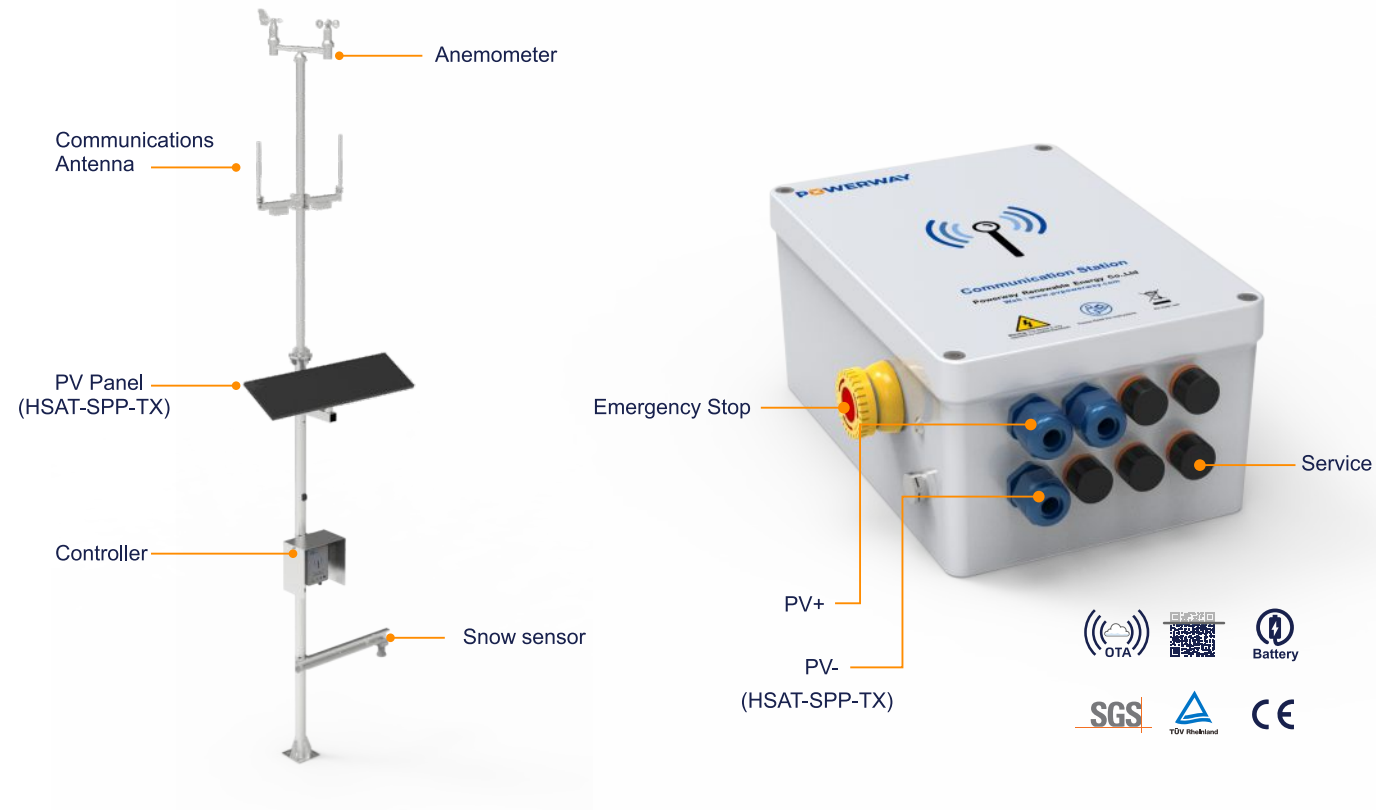
Part 2 Intelligent Reverse Backtracking Algorithm— Reduce the Loss of Power Generation Due to Shading in Complex Terrain

The system operating data is used to optimize disturbance training and sensing technology is used to identify occlusions to construct a 3D terrain. Based on machine learning algorithms, iterative decisions are made to output the optimal backtracking angle group for overall power generation, effectively improving power generation during backtracking.



- A variety of technologies intelligently identify real terrain;
- Automated tracking without human involvement;
- Precisely optimize the backtracking angle.

HSATP/PSO Intelligent Tracking System



Electrical Technical Parameter

Power Supply	L+N 90-240V AC 37V DC+Battery
Overall Function	High-performance processor, OTA upgrade procedure
Battery management	Low consumption power station monitoring Intelligent management of battery charge and discharge time Low temperature battery management system
Communication	Communication timeout strategy
Operating Temperature	AC: -40~60°C DC: -30~60°C
Cabinet Characteristics	IP67, Anti-aging, antifiaming, C5-M 30-year

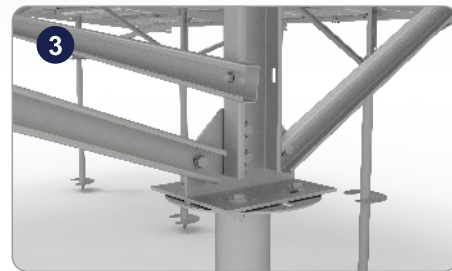
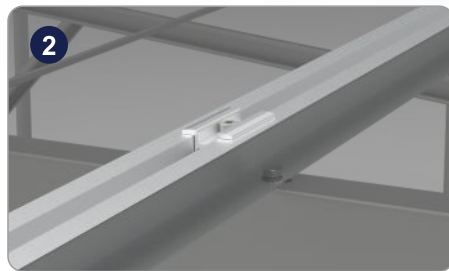
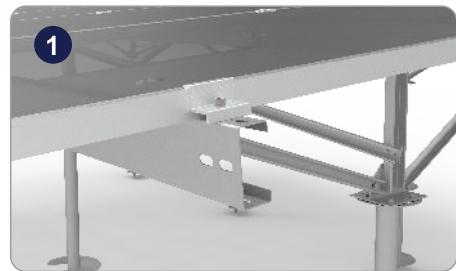
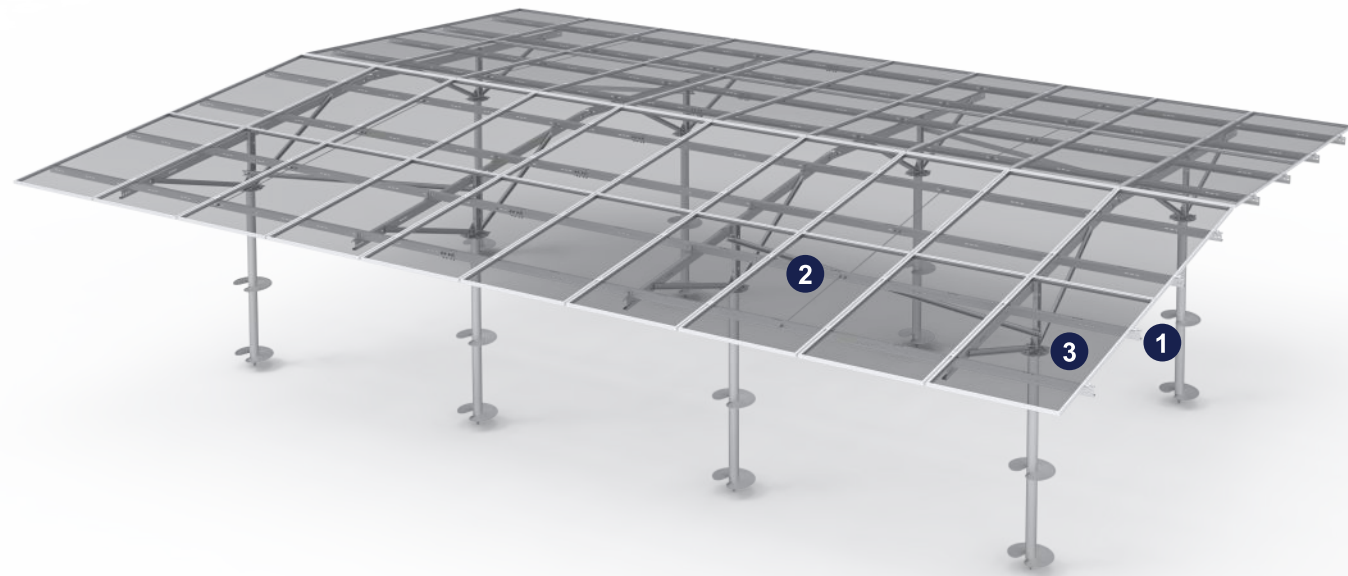
Electrical Technical Parameter

Power Supply	AC, Self-power Module 37V DC+Battery
Overall Function	High-performance processor OTA upgrade procedure
Motor	Motor software current limit protection/recovery, Motor inrush current limit start and stop
Battery management	Intelligent management of battery charge and discharge time Low temperature battery management system
Operating Temperature	AC: -40~60°C DC: -30~60°C
Cabinet Characteristics	IP67, Anti-aging, antifiaming, C5-M 30-year
Reliability	Anti-thunder, Over current, Run Protect, Soft Start Power off, On Protect and Resume



Powerway Solar Fixed Mounting System

East-West Dual Posts Mounting System
PowerMount - DG4PEW



There are many advantage of the East-West double posts mounting system. Its structure is more stable and can support more solar panels, increasing the yield of power station. Compared with the same capacity power station system, less support materials are used. East-West double posts mounting system reduces the quantity of piles and installation time.

Technical Specifications

Foundation Type	Ground Screw, Concrete Foundation, Pile-rampost Integration
Material	Aluminum Alloy, HDG Steel, MAC steel
Mounting Angle	3°- 20°
Wind Load	Customizable
Layout	Customizable


 Stable Structure
Easy Installation

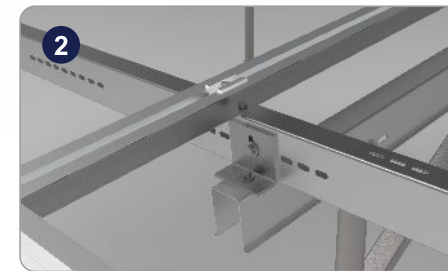
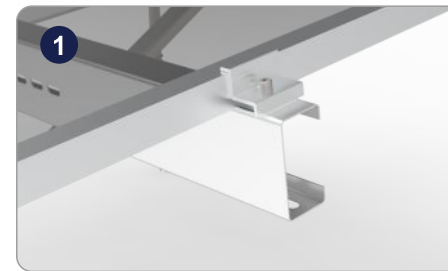
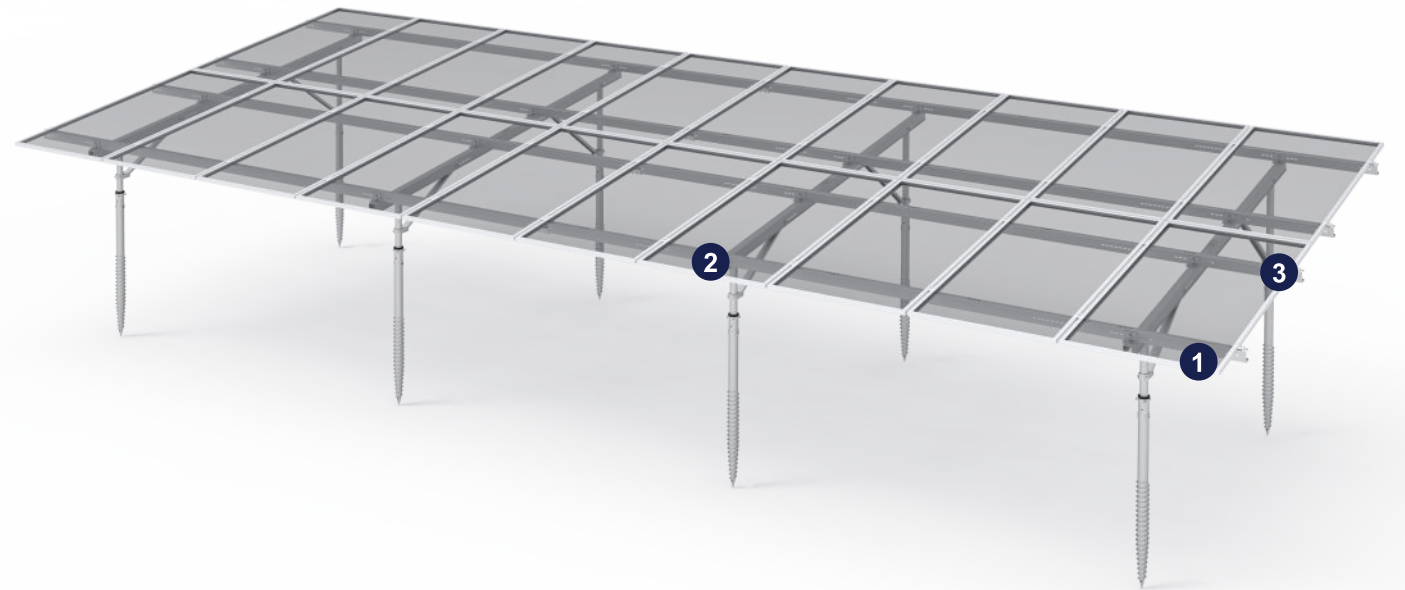

 Diversified Pile
Foundation Types


 Component Installation
Configuration
Flexibility to Meet Various
Customer Needs


 Adapt
to Different Environment
and Terrains


 Product pre-installed
No Welding Required
on Site

Dual Posts Mounting System
PowerMount - DG2P



The double-post fixed mounting system has a stable structure,different scenario adaptability, convenient installation and excellent anti-corrosion performance. The whole mounting system can be used in harsh outdoor environment for long time.

Technical Specifications

Foundation Type	Ground Screw, Concrete Foundation, Pile-rampost Integration
Material	Aluminum Alloy, HDG Steel, MAC steel
Mounting Angle	5°- 45°
Wind Load	Customizable
Layout	Customizable


 Simple Structure
Easy Installation

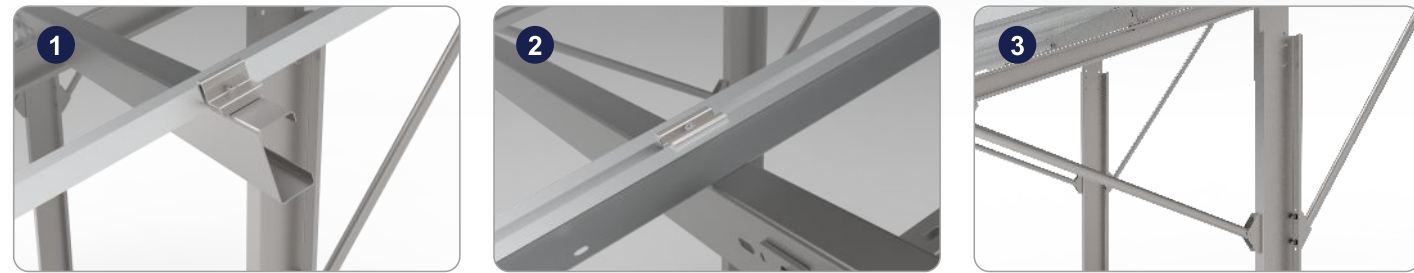
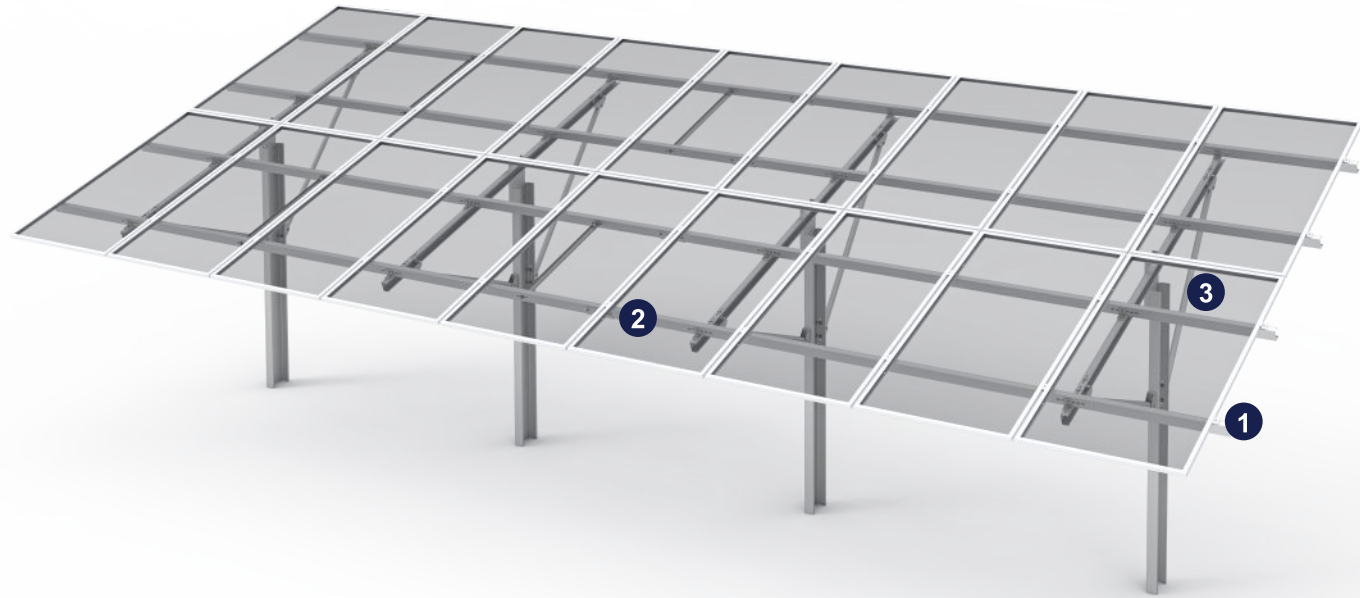

 Diversified Pile
Foundation Types


 Component Installation
Configuration
Flexibility to Meet Various
Customer Needs


 Adapt
to Different Environment
and Terrains


 Product Pre-installed
No Welding Required
on Site

Single Post Mounting System
PowerMount - SR2P



The single post fixed mounting system is specially designed for quick installation. Its unique adjustable connection design make the whole structure adapt to different kinds of terrains flexibly.

Technical Specifications

Foundation Type	C-shaped Steel, H-shaped Steel, Concrete Foundation, Ω-shaped Steel, PHC Pile
Material	Aluminum Alloy, HDG Steel, MAC steel
Mounting Angle	5°- 45°
Wind Load	Customizable
Layout	Customizable



Simple Structure
Easy Installation



Diversified Pile
Foundation Types



Component Installation
Configuration
Flexibility to Meet Various
Customer Needs

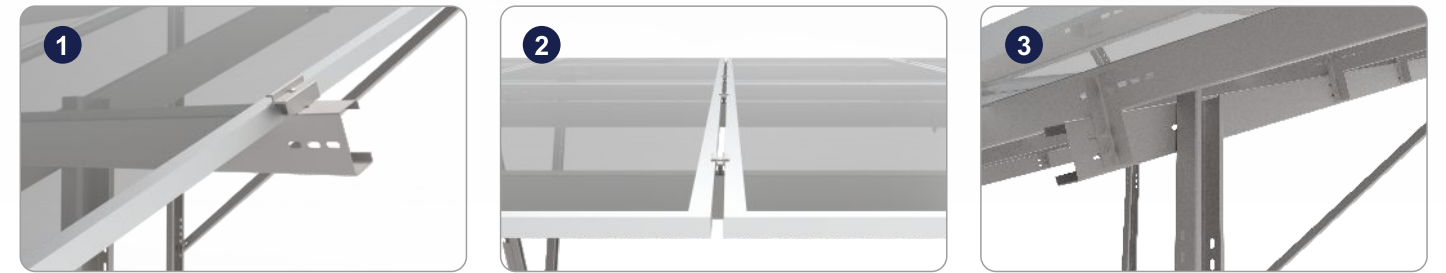
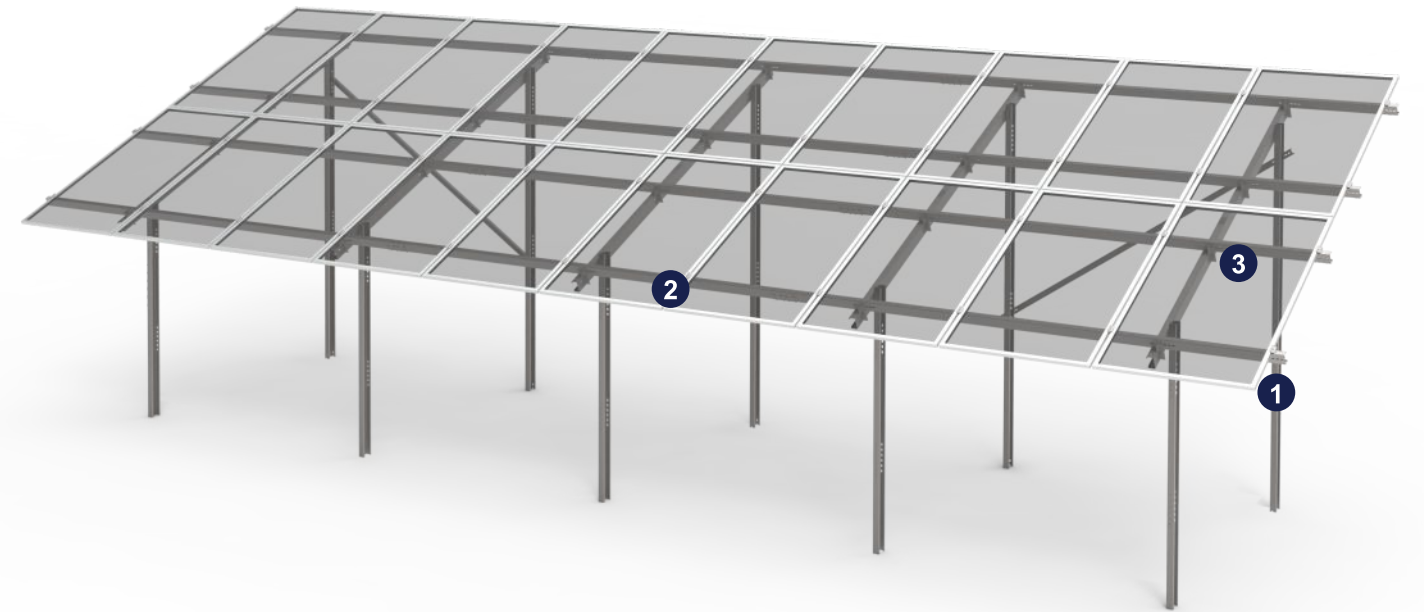


Adapt
to Different Environment
and Terrains



Product pre-installed
No Welding Required
on Site


Dual Posts Mounting System
PowerMount - DR2P




With fewer connection points, the installation process becomes significantly simpler and faster, reducing both time and effort required on-site.

Technical Specifications


Foundation Type	C-shaped Steel, H-shaped Steel, Concrete Foundation, Ω-shaped Steel, PHC Pile
Material	Aluminum Alloy, HDG Steel, MAC steel
Mounting Angle	5°- 45°
Wind Load	Customizable
Layout	2P/4L




Streamlined Design
for Faster,
More Efficient Installation




Multiple Piles and
Foundation Type Options



Customizable to Meet
Your Needs

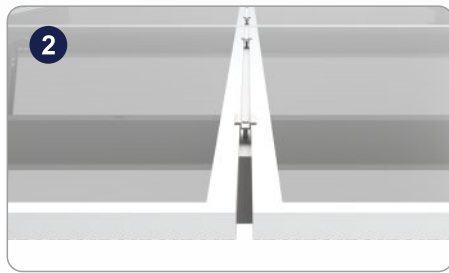
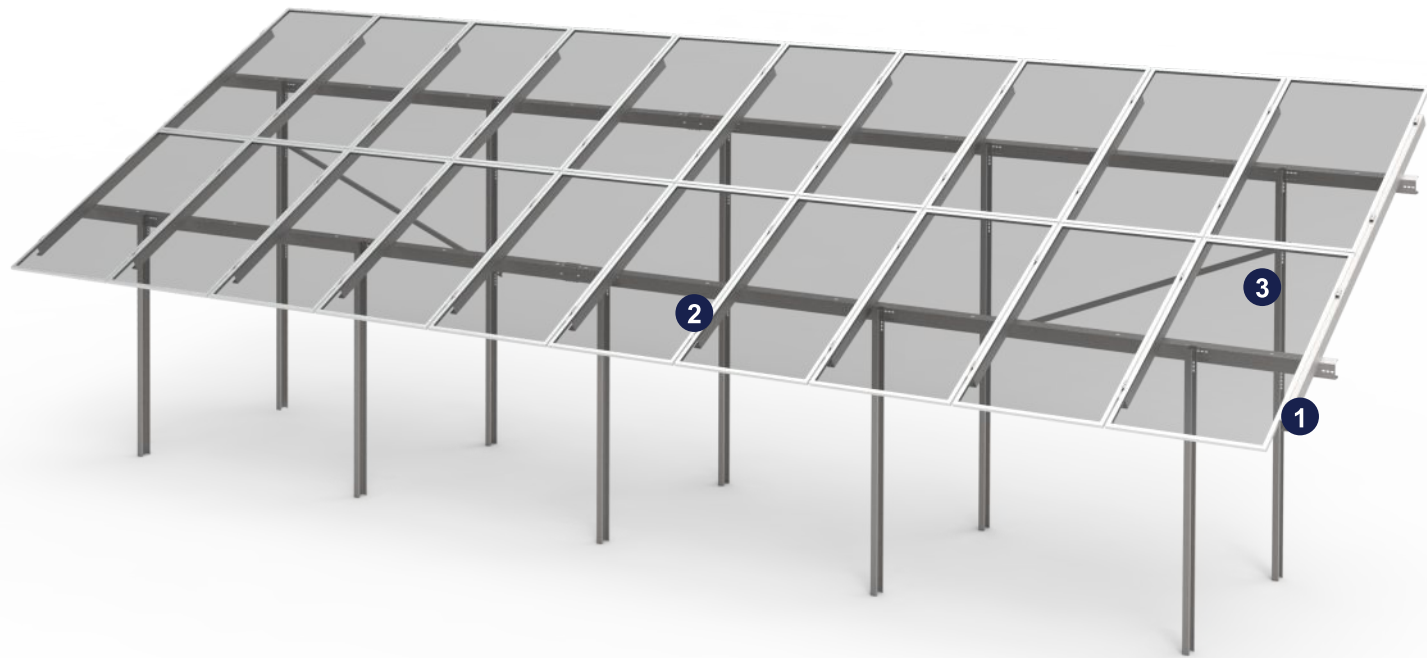


Adapt
to Different Environment
and Terrains



Product Pre-installed
No Welding Required
on Site

Longitudinal Subrail Mounting System
PowerMount - DR2P Subrail



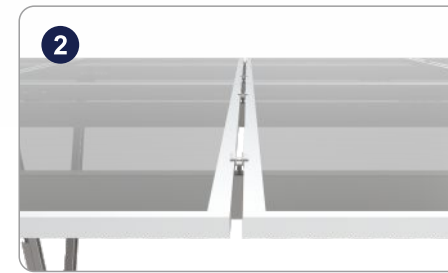
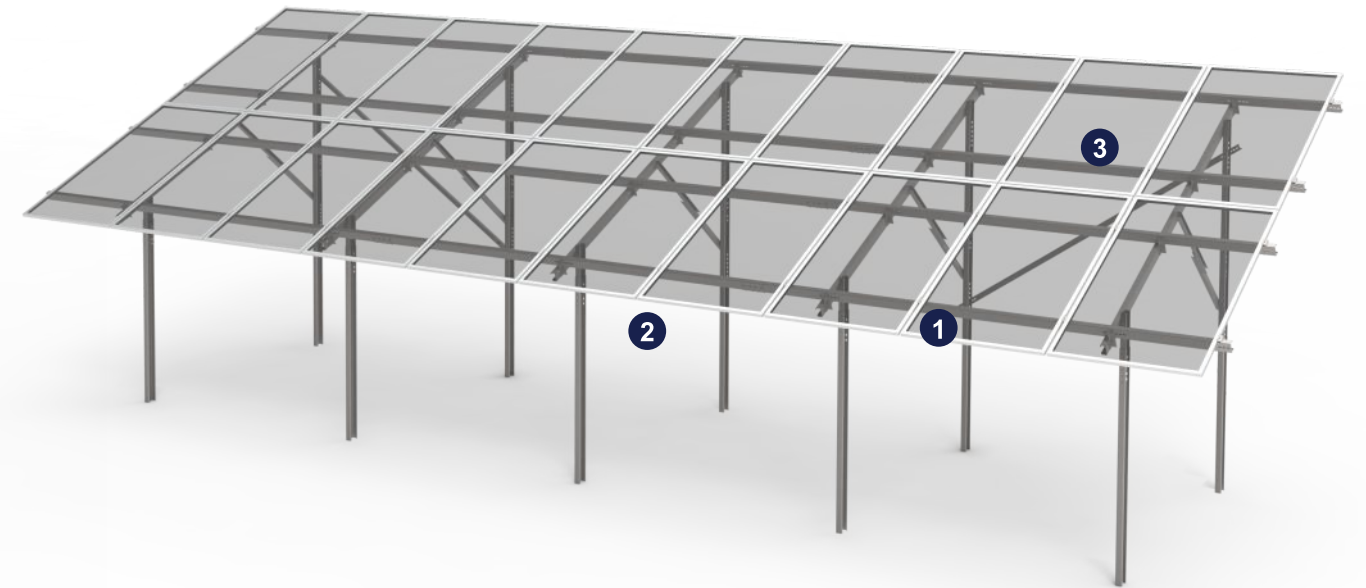
Longitudinal sub-rail design minimizes rear shading, enhancing power generation efficiency. The use of fewer components streamlines the installation process, significantly boosting installation efficiency.

Technical Specifications

Foundation Type	C-shaped Steel, H-shaped Steel, Concrete Foundation, Ω-shaped Steel, PHC Pile
Material	Aluminum Alloy, HDG Steel, MAC steel
Mounting Angle	5° - 45°
Wind Load	Customizable
Layout	2P

- Boost Your Solar Efficiency
- Minimalist Design Guarantees Fast Installation
- Customizable to Meet Your Needs
- Adapt to Different Environment and Terrains
- Product Pre-installed No Welding Required on Site

Braced Frame Mounting System
PowerMount - DR2P Braced



The incorporation of a diagonal brace design significantly strengthens the structural framework, enabling it to withstand higher loads and providing greater stability and durability under various conditions.

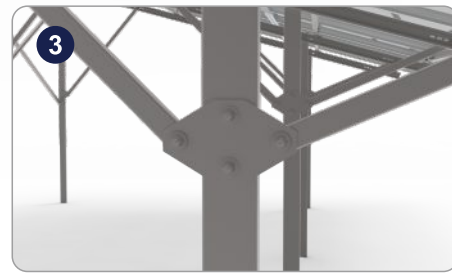
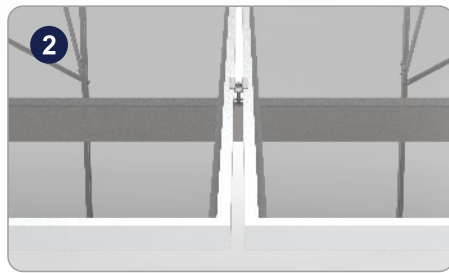
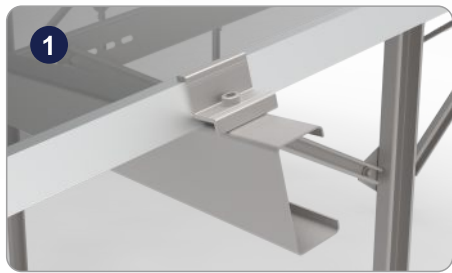
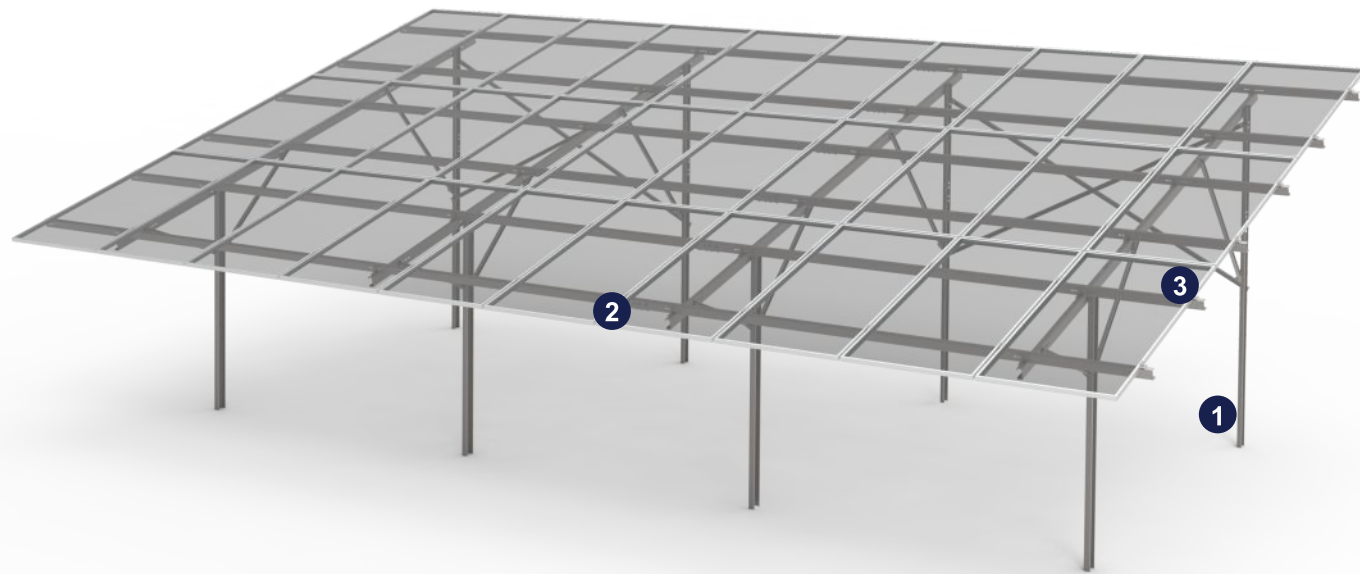
Technical Specifications

Foundation Type	C-shaped Steel, H-shaped Steel, Concrete Foundation, Ω-shaped Steel, PHC Pile
Material	Aluminum Alloy, HDG Steel, MAC steel
Mounting Angle	5° - 45°
Wind Load	Customizable
Layout	2P/4L

- Brace Design Provides Extra Stability
- Multiple Piles and Foundation Type Options
- Customizable to Meet Your Needs
- Adapt to Different Environment and Terrains
- Product pre-installed No Welding Required on Site

Triple Mounting System


PowerMount - DR3P




Engineered to accommodate the vertical installation of three modules, maximizing photovoltaic capacity, perfectly addressing your needs for enhanced power generation performance.

Technical Specifications


Foundation Type	C-shaped Steel, H-shaped Steel, Concrete Foundation, Ω-shaped Steel, PHC Pile
Material	Aluminum Alloy, HDG Steel, MAC steel
Mounting Angle	5°- 45°
Wind Load	Customizable
Layout	3P/5L/6L




Maximizes Your Solar Capacity




Multiple Piles and Foundation Type Options



Customizable to Meet Your Needs



Adapt to Different Environment and Terrains



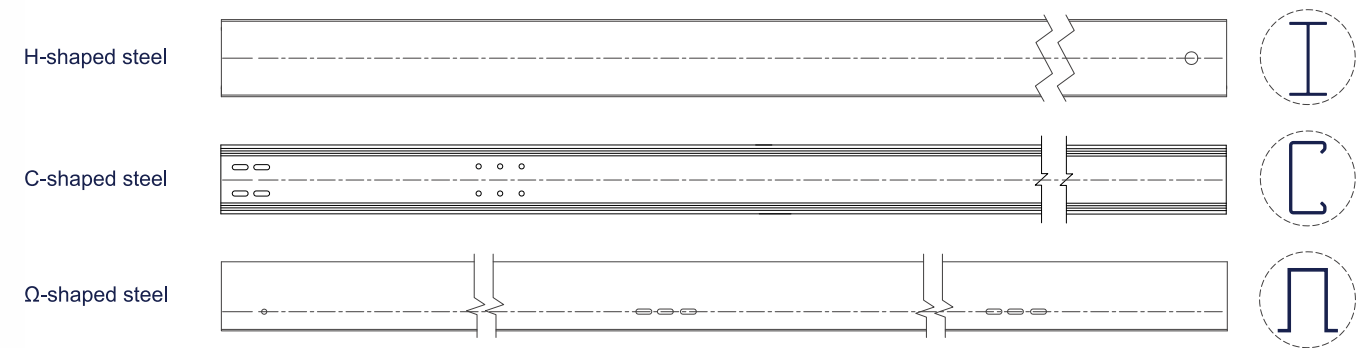
Product pre-installed No Welding Required on Site

Foundation Series

The product features an integrated pile design and a simple structure to provide effective protection against winds and snow, and can be easily installed. The section steel surface has undergone galvanizing to ensure it remains corrosion-proof. The section steel pile can be quickly driven to the underground by a pile driver, after which the support structure and briquettes can be assembled into a rack system, which can be easily installed and thus offers significant savings in time and labor costs for the implementation of large photovoltaic projects.

Raming Pile Technical Specifications

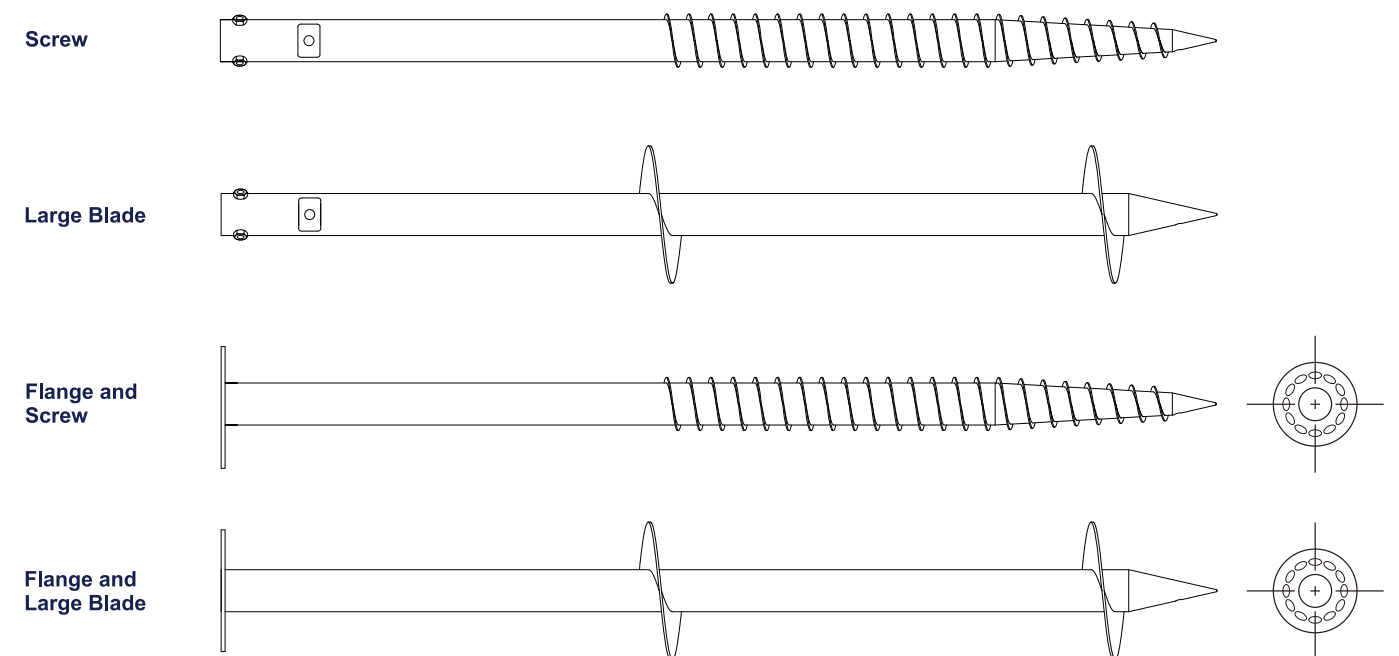
Pile Types	C-shaped Steel, H-shaped Steel, Ω-shaped Steel
Pile Diameter	Customization Available
Pile Lengths	2000~5000mm
Material Quality	Q235B; Q355B
Application Scope	Applicable to Various Types of Non-rock Soil



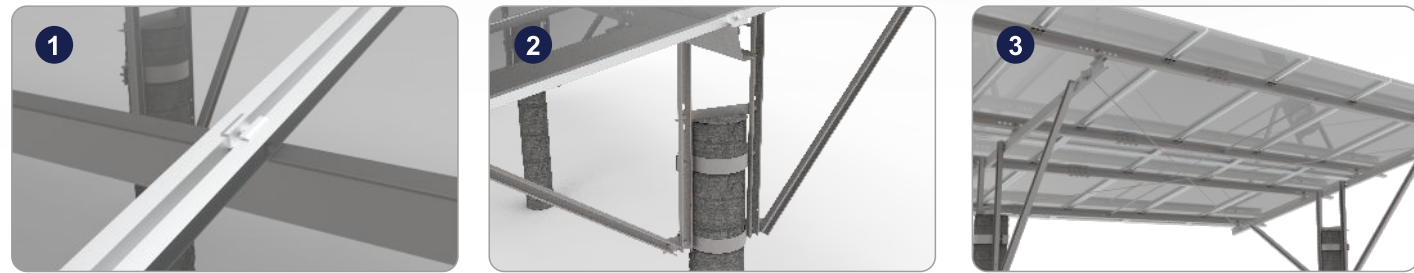
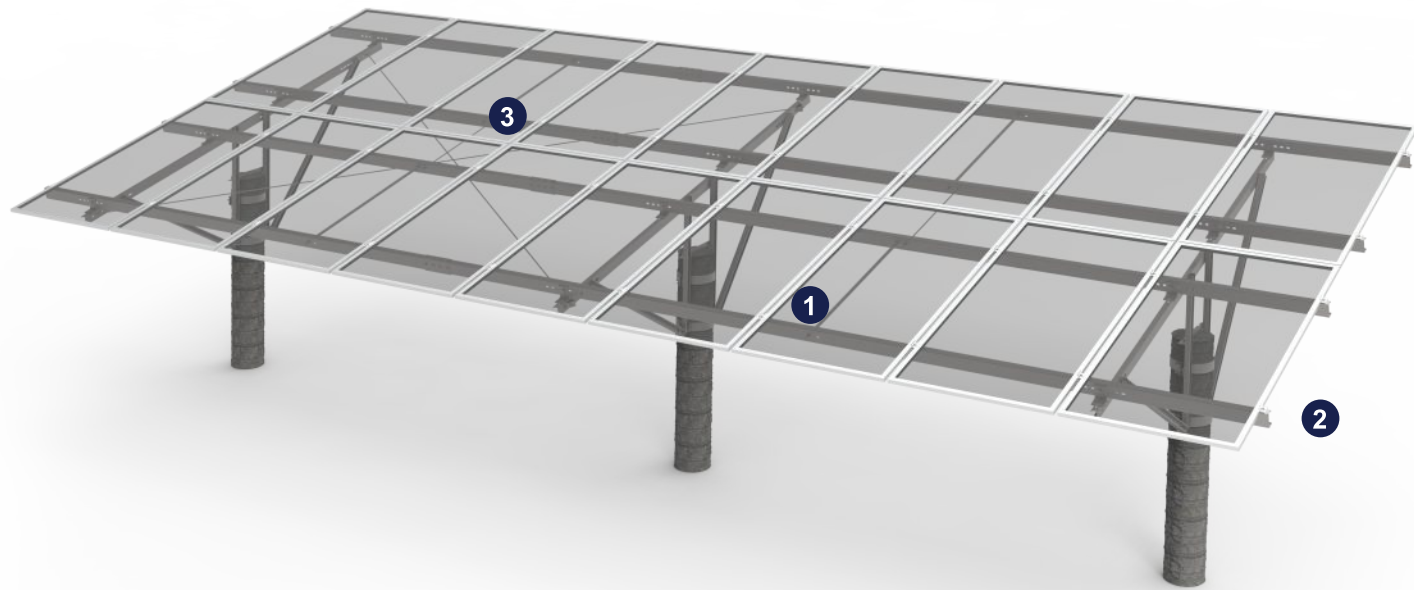
The Powerway Screw Pile Foundation System is suitable for use in the photovoltaic and construction industries. It is very popular both inside and outside the industry thanks to its excellent bearing capacity, stability, sedimentation-resistance. Since the system uses a Q235B/Q355B steel, the foundation can be installed without the need for digging or pouring cement. Thus, it meets different bearing requirements in various geographical environments to ensure the stability of the foundation. In response to different market requirements, Powerway has a production line and a special design team that provides key customers with customized designs.

Ground Screw Technical Specifications

Tube Diameter	76mm/102mm
Tube Thickness	3.0-4.0mm
Conection	3-M12; Flange: Customizable
Material	Hot-Dip Galvanized



Fishery-solar Hybrid Photovoltaic System
PowerAgua - SP2P



Powerway Fishery-solar Hybrid Power Station System is a highly pre-assembled fishery power station system suitable for aquaculture and photovoltaic power generation in low-lying tidal flats and lakes. The pile-rampost integration design, the prestressed pipe-pile foundation is adapted to meet the requirements of horizontal bearing capacity and vertical pressure bearing capacity. The construction is rapid, no earth excavation is required, the impact on the environment is small, which is favorable for soil and water conservation. The pile foundation is good in quality and is more advantageous than traditional bracket foundations in tidal flats, fish ponds, water-immersed areas, soft soils, and other areas with high-levelled groundwater. has become one of the best choices for the photovoltaic power station in the fishing industry.

Technical Specifications

Foundation Type	PHC pile, Cement pile
Material	HDG Steel, MAC steel
Mounting Angle	5°-45°
Wind Load	Customizable
Layout	2P, 4L



Simple Structure
Installation is Easier



High Cost Performance
High Comprehensive
Economic Rate of Return



Component Installation
Configuration
Flexibility to Meet Various
Customer Needs

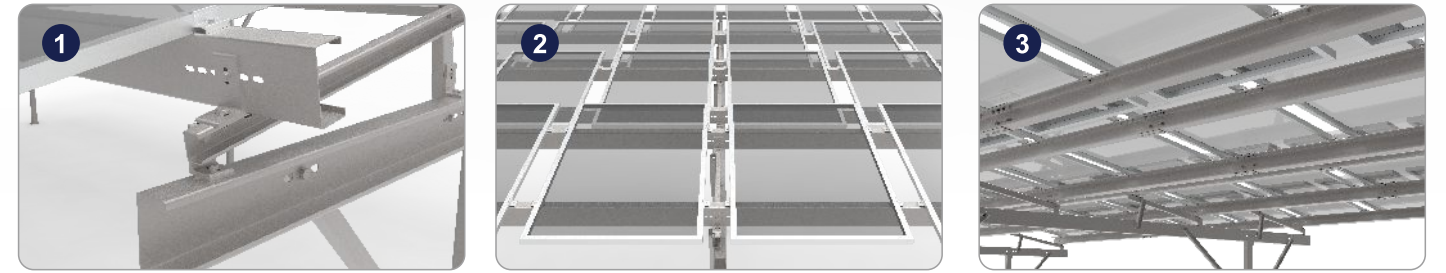
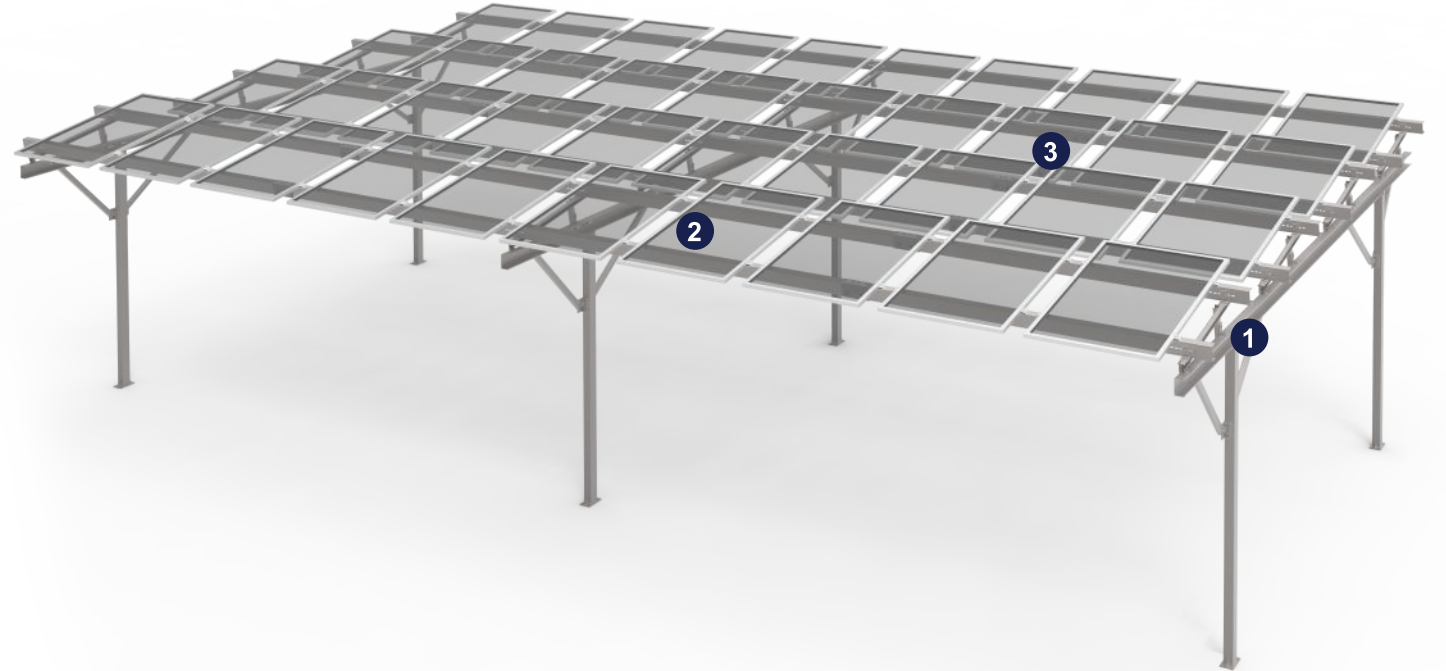


C5 Level High
Corrosion Resistant



Product pre-installed
No Welding Required
on Site

Greenhouse Photovoltaic System
PowerAgri - DG



Powerway Agricultural Greenhouse Power Station System is a highly pre-installed agricultural power station system suitable for agricultural greenhouse vegetable cultivation and photovoltaic power generation. The patented architecture and clamp greatly improve installation efficiency and reduce labor costs. The modules are easy to be assembled and unassembled, and are designed to facilitate the adjustment of light transmittance in order to meet the growth need of crops. The material is highly resistant to soil acid corrosion and the structure height can be adjusted to adapt to complicated terrains. The system life and power station operation time can be guaranteed. The system is the best choice for agricultural photovoltaic greenhouse power stations.

Technical Specifications

Foundation Type	Concrete Foundation, Ground screw
Material	HDG Steel, MAC steel
Mounting Angle	10°-25°
Wind Load	Customizable
Layout	1P/1L



Simple Structure
Installation is Easier



Diversified Pile
Foundation Types



Component Installation
Configuration
Flexibility to Meet Various
Customer Needs

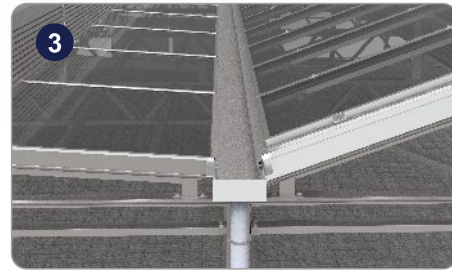
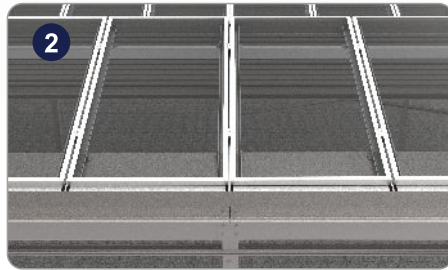
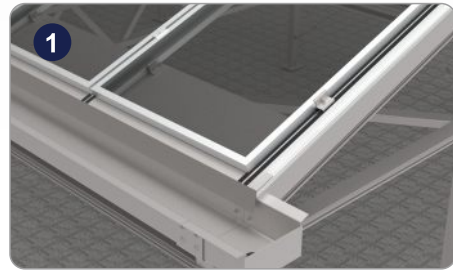
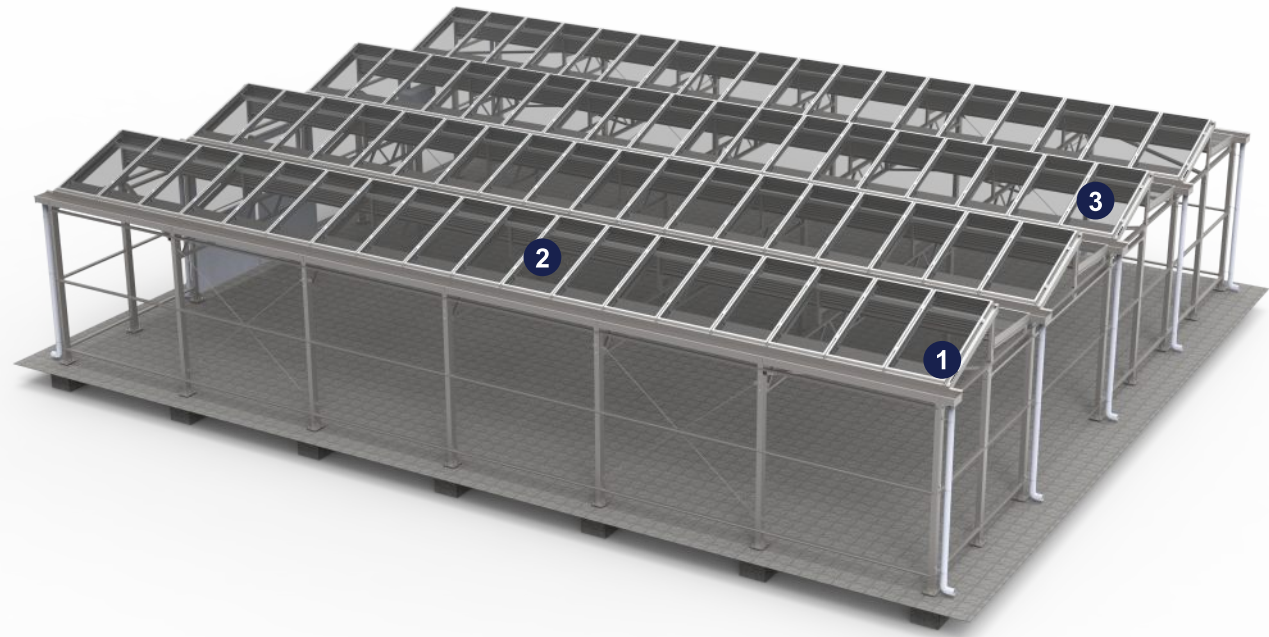


Friendly
Environment and Terrain



Product pre-installed
No Welding Required
on Site

Agricultural Photovoltaic Greenhouse System
PowerAgri - Greenhouse



- On the basis of agricultural greenhouse, it has been upgraded to Agricultural Photovoltaic Greenhouse, which provides high yield electricity while ensuring the healthy growth of crops.
- The arrangement of solar modules can be spaced or overall arranged. Spacing arrangement can increase the transmittance of light, suitable for planting light-favored crops, the aesthetic extent is also improved therewith. The overall arrangement is suitable for planting shade-favored crops.
- The scale of the Agricultural Photovoltaic Greenhouse can be customized according to the actual demand, in order not to damage the farmland, or affect the growth of crops, while achieve the maximum benefit of the Agricultural Photovoltaic Greenhouse.

Technical Specifications

Foundation Type	Concrete Foundation
Material	HDG Steel, MAC steel
Mounting Angle	10°-25°
Wind Load	Customizable
Layout	1P



Simple Structure
Installation is Easier



High Cost Performance
High Comprehensive
Economic Rate of Return



Component Installation
Configuration
Flexibility to Meet Various
Customer Needs

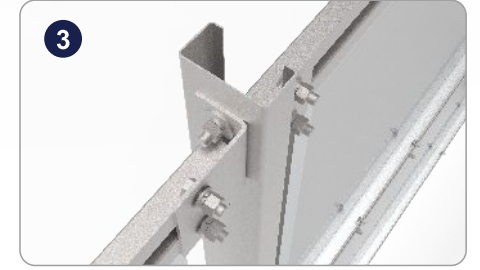
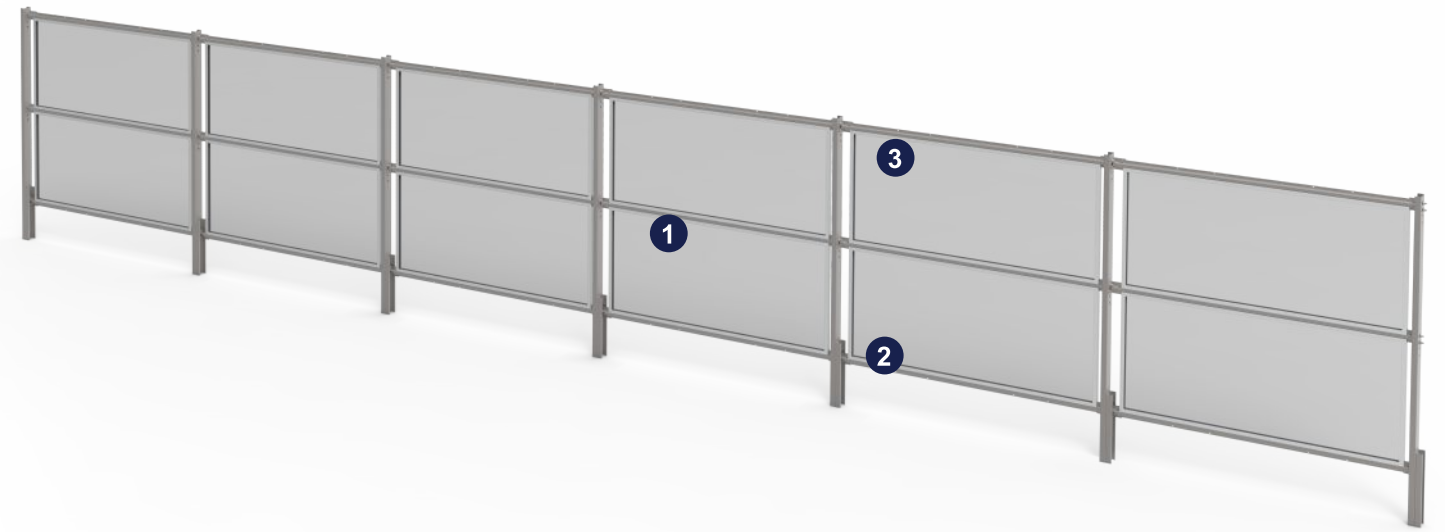


Friendly
Environment and Terrain



Product pre-installed
No Welding Required
on Site

Vertical Mounting System
PowerVertical - SR2L



The Powerway vertical mounting system enables new approaches for the utilization of solar energy especially in agricultural areas. The solid steel construction consists of mullions and cross beams. Two mullions and three crossbeams hold vertically bifacial modules. The linear structures and the low level of overbuilding create valuable natural grass areas, in which additional specific habitat structures can be established. In addition to agricultural usage, the broad distances between the rows also offer room for agri-environmental measures or compensation areas.

Technical Specifications

Material	MAC steel S350/S420
Construction	Mullion and crossbeam construction with tension-free clamping
	Construction components that can be levelled for adjustment to the terrain conditions
Module connector	Module connection type
	A2-70 stainless steel fastener



Simple Structure
Installation is Easier



Diversified Pile
Foundation Types



Component Installation
Configuration
Flexibility to Meet Various
Customer Needs



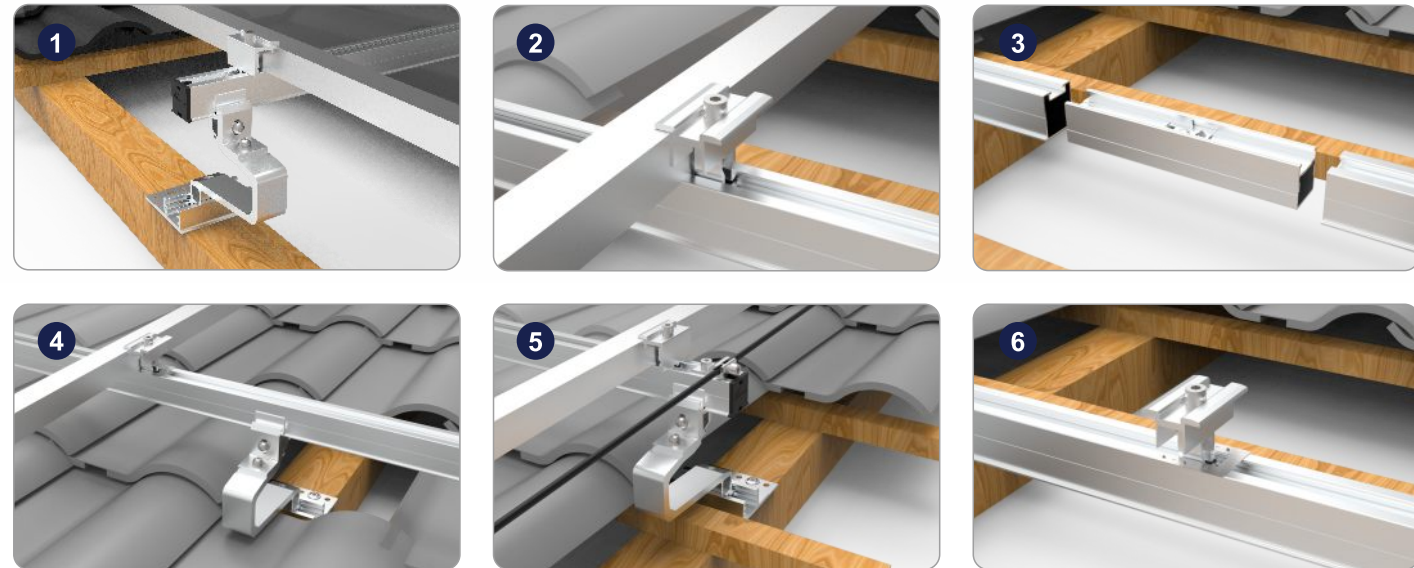
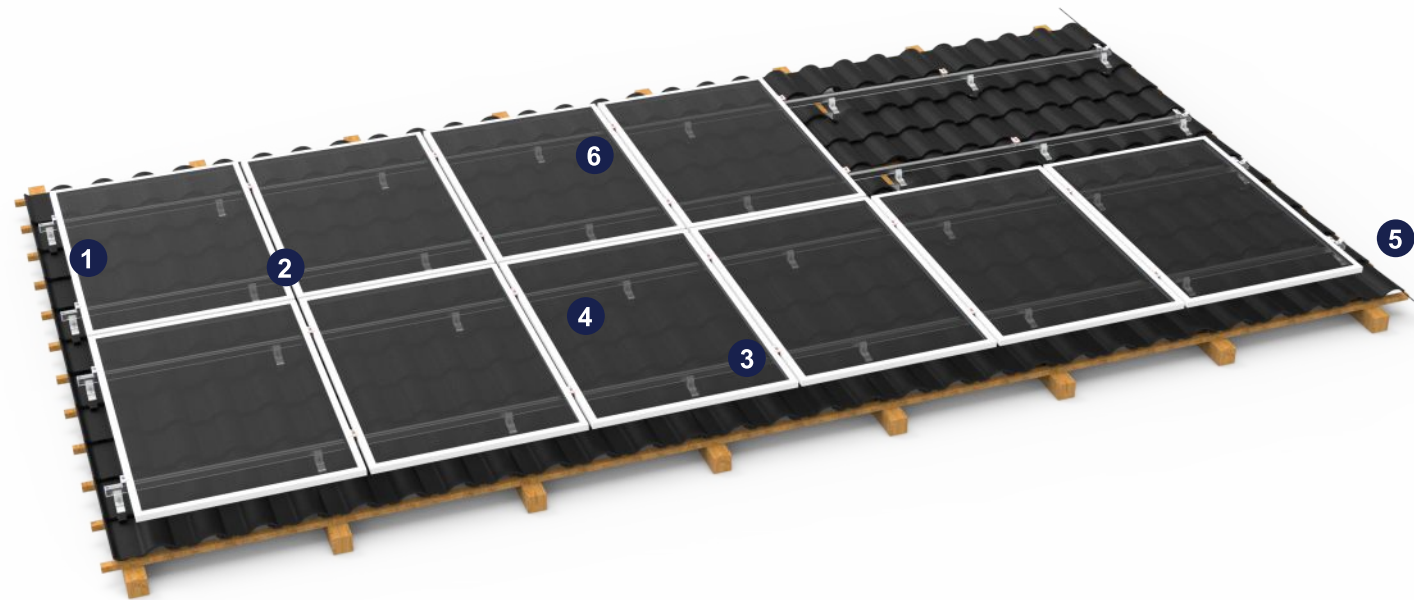
Friendly
Environment and Terrain





Product pre-installed
No Welding Required
on Site





Powerway Solar Distributed Mounting System




Quick Installation


**TÜV Certified
UL Certified**



Customizable to Your Roof


**One Rail for Both Tile
and Sheet Metal Roof**

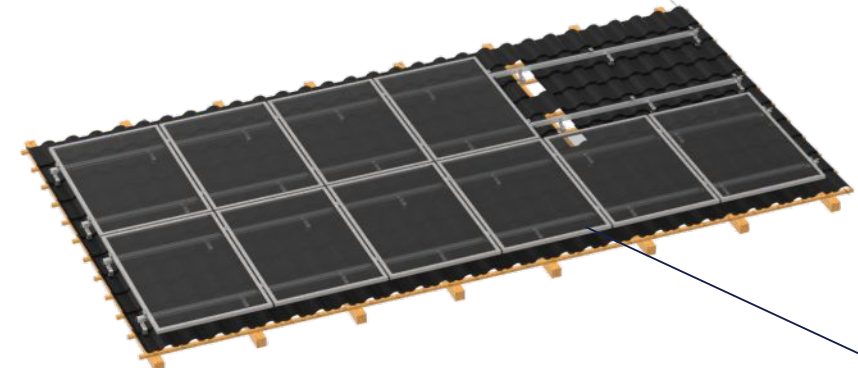
Technical Specifications

Roof Angle	5°-50°
Wind Load	1.2 kN/m ²
Snow Load	1.6 kN/m ²
Applicable Solar Module	Frame
Panel Layout	Landscape or Portrait
Design Standard	AS/NZS 1170, DIN 1055, JIS C 8955: 2017, EN 1991
Stand Material	AL6005-T5
Fastener Material	SUS304
Surface Treatment	AL6005-T5: AA10µm,
Color	Natural Silver or Customized
Warranty	10 Years

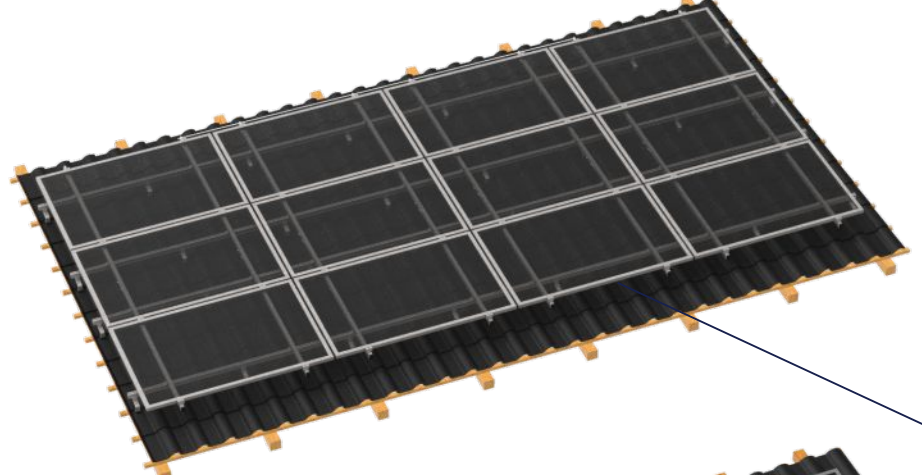
More customization option to fit your needs



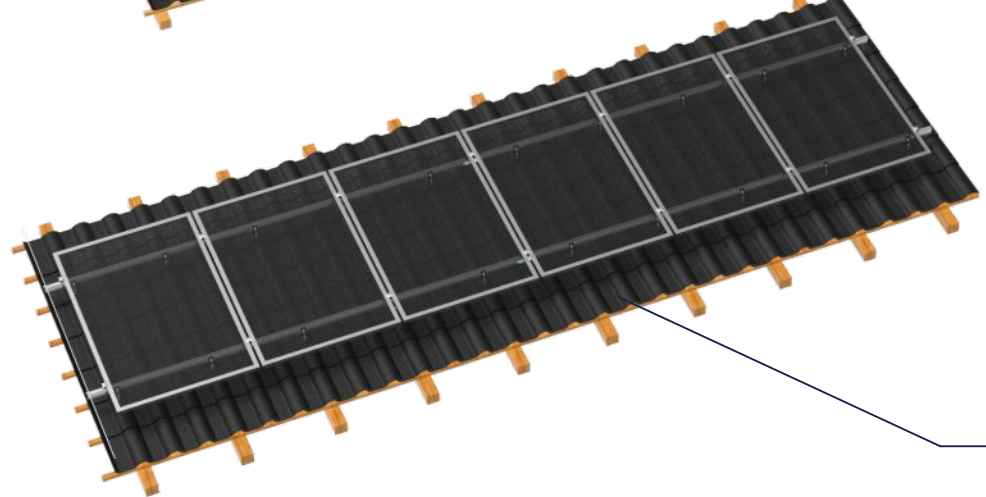
PWP - Uni
 · One rail fits all
 · Snap and go



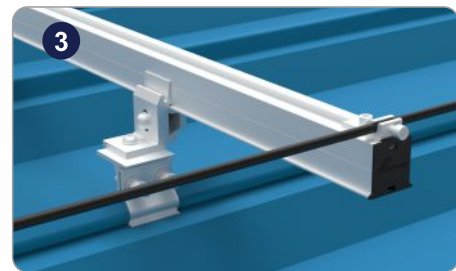
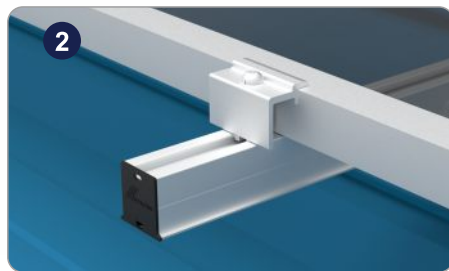
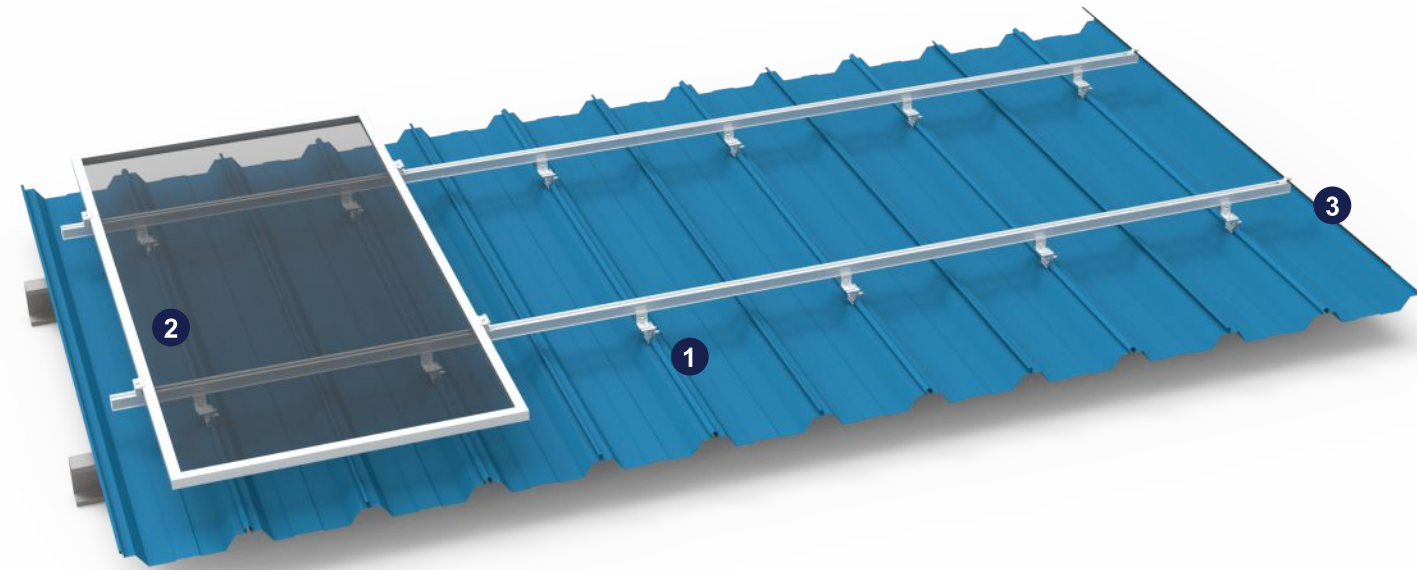
PWPRP - AAAP
 Alternative rail available



PWPRP - AABL
 Landscape configuration to fit your need



PWPRP - SAHP & SAHL
 Alternative hooks for different tile types



Quick Installation



TUV Certified



Customizable to Your Roof

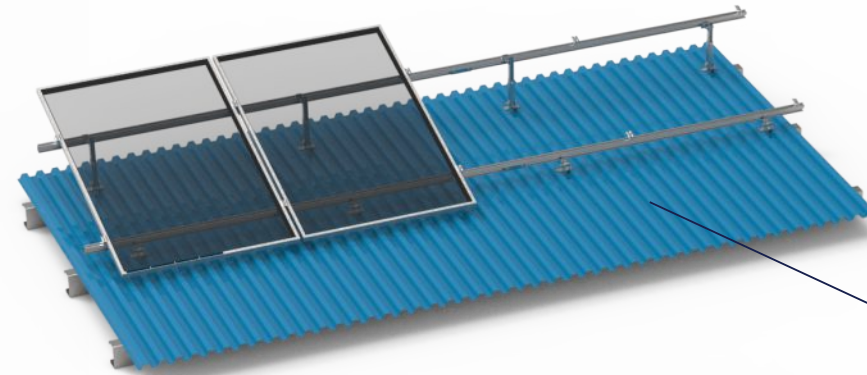


One Rail for Both Tile and Sheet Metal Roof

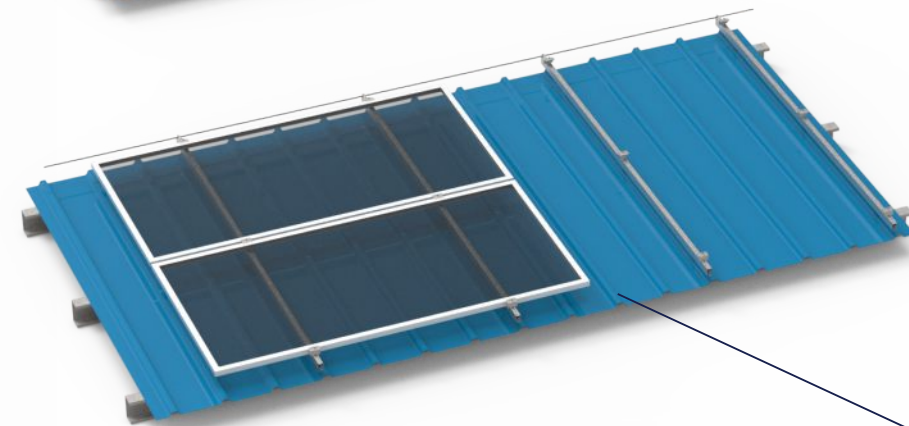
Technical Specifications

Mounting Angle	Parallel to Roof Surface
Wind Load	Customized
Snow Load	Customized
Applicable Solar Module	Frame
Module orientation	Landscape or Portrait
Stand Material	Stainless Steel or AL6005-T5
Fastener Material	SUS304
Surface Treatment	Anodized:AA10
Color	Natural Silver or Customized
Warranty	10 Years

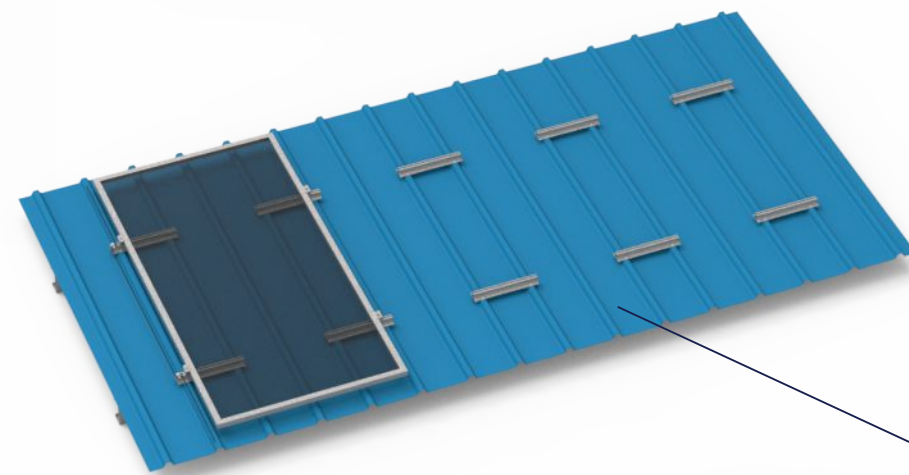
More customization option to fit your needs



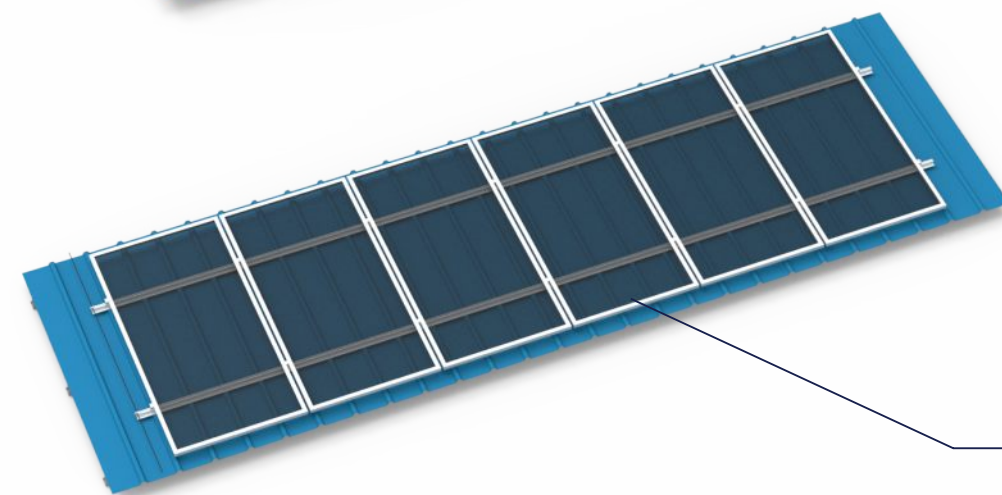
Angle-adjustable System
PWTSMR - AATA
Maximize your solar efficiency



Landscape Planning
PWTSMR - AATL
Utilize every inch of your roof

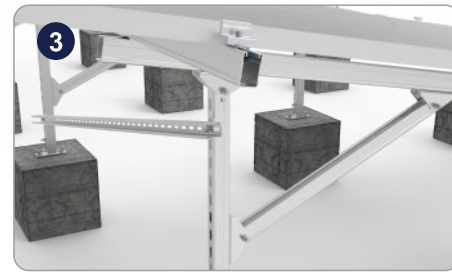
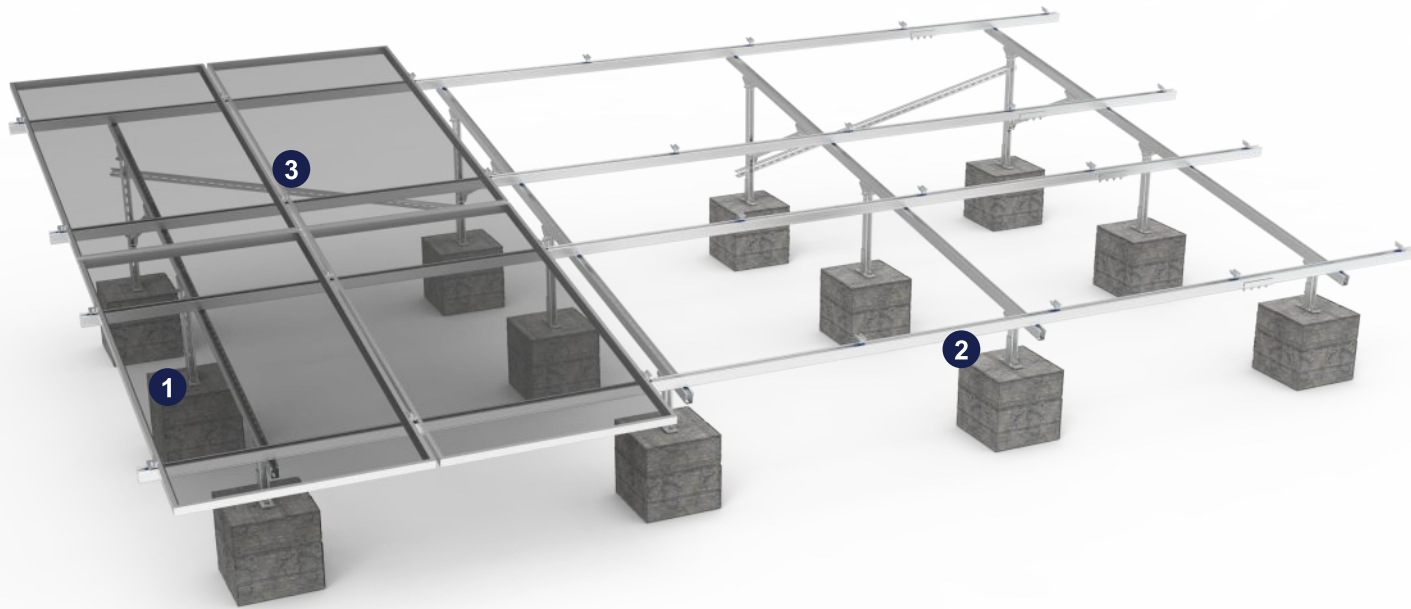



Mini Rail System
Series 1 PWTSMR-AATH
Series 2 PWTSMR-NATS
Good value for money



Roof Type Applicability
Series 1 PWTSMR - NATR
Series 2 PWCSMRL - AA[1][2]
Series 3 PWCSMR - AA [1][2]
We offer solutions for comprehensive range of roof types

Flat Roof - Concrete Systems
PWFR - CMFN & CZFN



- 
Highly Pre-assembled in Factory for Quick Installation
- 
Minimalist Design
- 
No Damage to Your Roof
- 
Customizable to Your Need

Technical Specifications

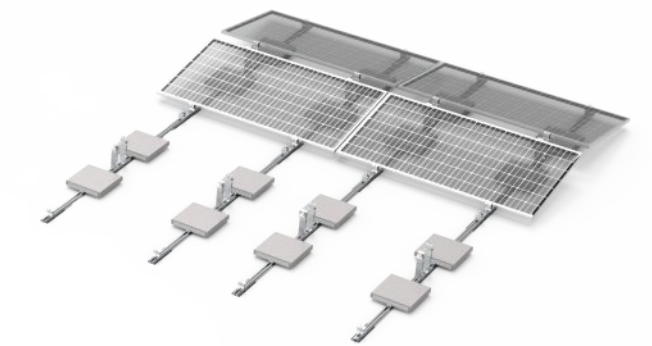
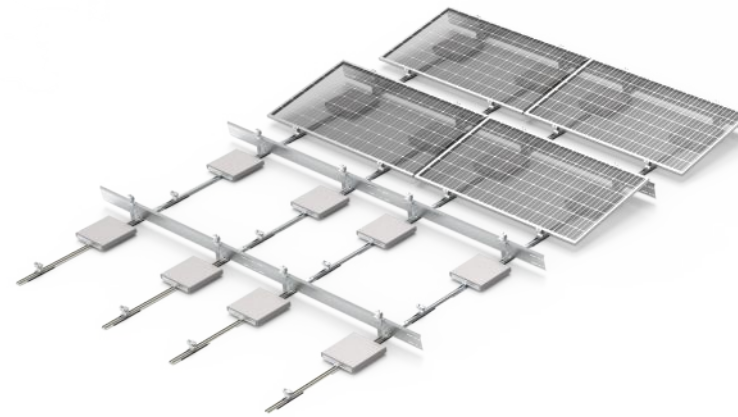
Module Orientation	Portrait, Landscape
PV Module	Framed or Unframed
Wind Load	Customized
Snow Load	Customized
Application	Roof top, Ground
Inclination Angle	5~45°
Material	Main Structure: MAC Steel Clamp: Aluminum AL6005-T5 Fasteners: Carbon steel & SUS304
Certification	TUV, CE
Standard	EN 1991, AS/NZS 1170, DIN 1055, JIS C 8955, IBC 2009
Warranty	10 Years

Note: The cement foundation is provided by the builder

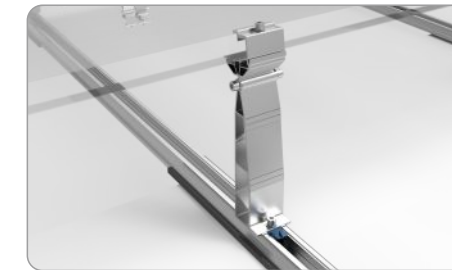
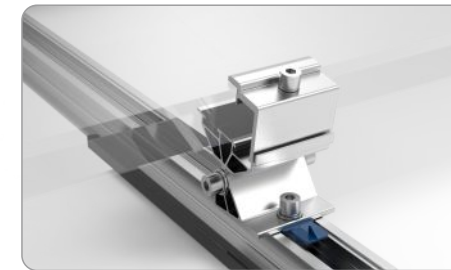
Flat Roof-Ballast Systems
PWFR - CAMM & CAMD

South-Long side

East/West-Long side



Long-Side Clamping



For mounting on the long module side
High loads: Wind Load up to 40m/s; Snow Load up to 5.4 kN/m2 (depending on the system variation and PV modules used)
Modules: up to 2384x1303mm.

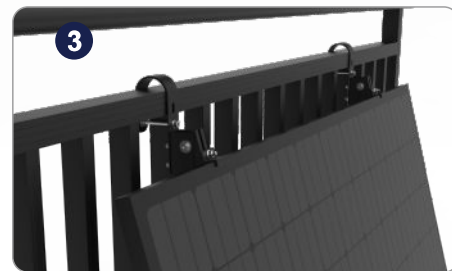
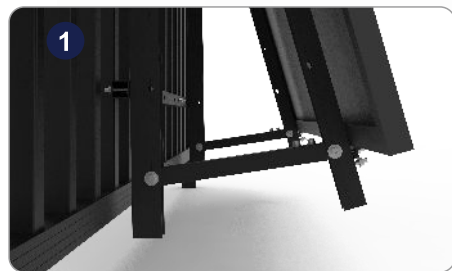
- 
Slot-in Installation
- 
**TÜV Certificated
UL Certificated**
- 
No Damage to Your Roof
- 
Two Configuration for the Best Energy Yield

Technical Specifications

Mounting Angle	5°, 10°(May Vary Slightly Depending on Module Width)
Clamping Options	Long-side Clamping; Short-Side Clamping
Module Orientation	East / West-facing; South-facing
Wind Load	Up to 40m/s(South-facing); Up to 69.5m/s(East/West-facing)
Snow Load	2.4 kPa
Applicable Solar Module	950~1303 mm x 1550~2384 mm (Width x Length)
Stand Material	AL6005-T5
Fastener Material	SUS304 or SUS410
Ballast Size / Quantity	400*400*50mm (19.2kg) / Base on Wind Load(Detail in Installation Manual)
Surface Treatment	AA10µm / Customized
Color	Natural Silver or Customized
Warranty	10 Years

Balcony Systems

Series 1 PWB-SAAN
Series 2 PWB-SABN



Quick Installation



Light Weight



0° · 10° · 30°
Angle Adjustability



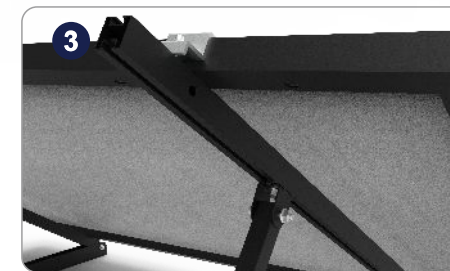
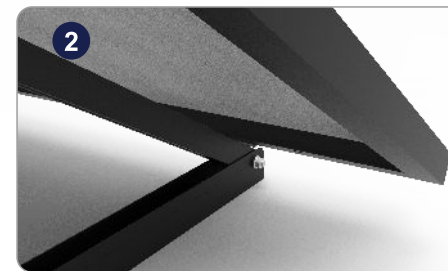
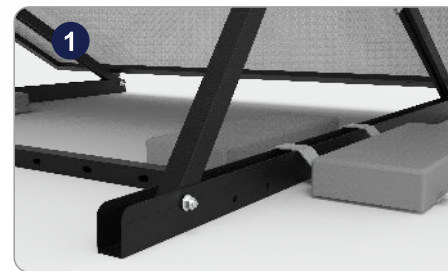
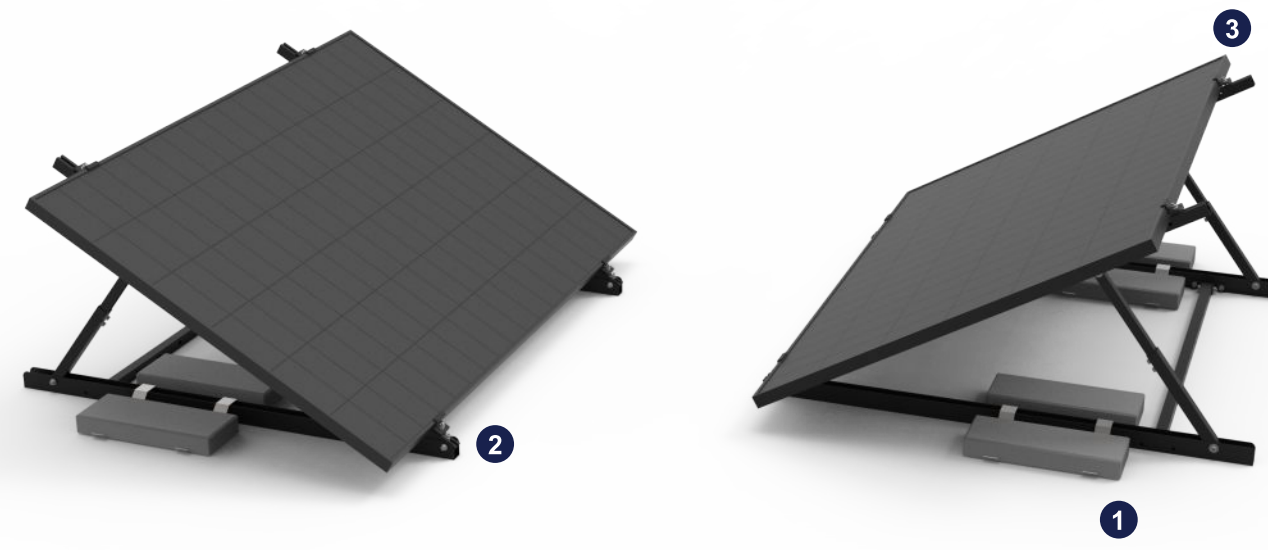
TUV Certified

Technical Specifications

Type	Balcony Solar Mounting System
Application	Ground/Roof/Balcony/Guardrail
Tilt Angle	0°, 10°-30° Adjustable
Material	AL6005-T5, Steel, SUS304
Panel Layout	Landscape (Horizontal)
Max Panel width	1150mm
Design Standard	AS/NZS 1170, DIN 1055, JIS C8955, EN 1991, IBC 2009
Warranty	10 Years
Max wind Speed	35m/s
Max Snow Load	1.0KN/m ²
Color	Natural Silver or Black

Garden Systems

Series 1 PWG-NANN01
Series 2 PWG-NANN02



Quick Installation



0° · 10° · 30°
Angle Adjustability



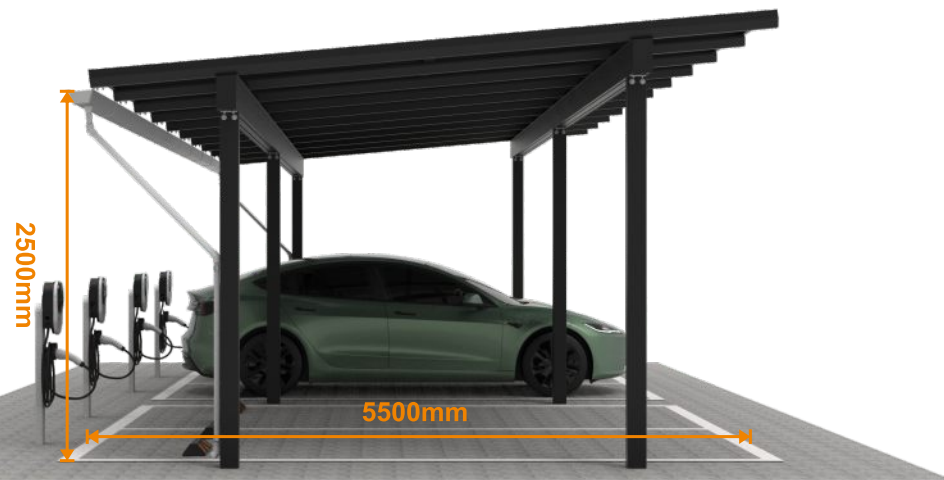
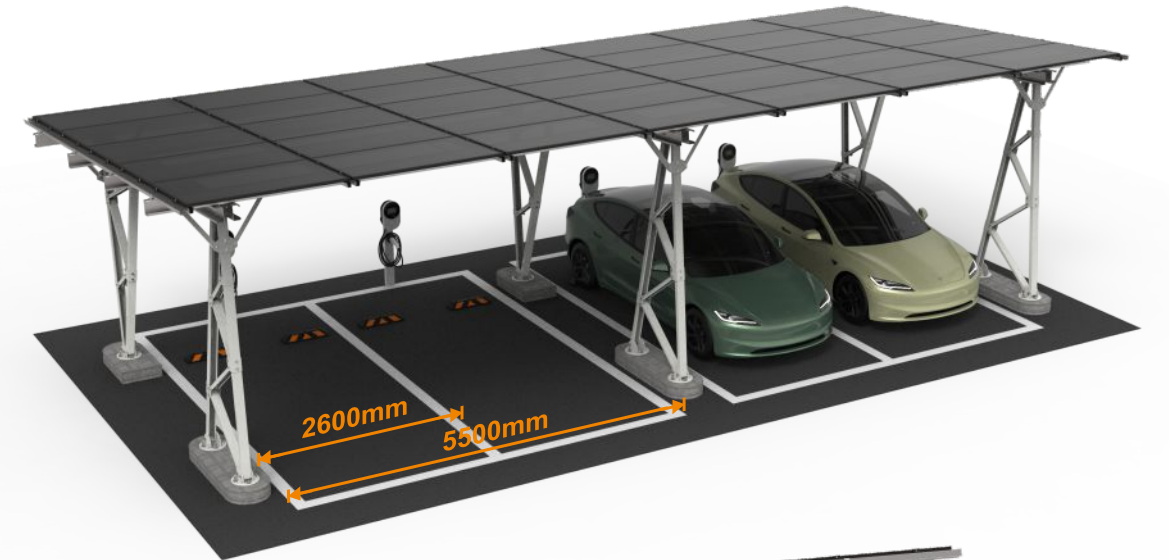
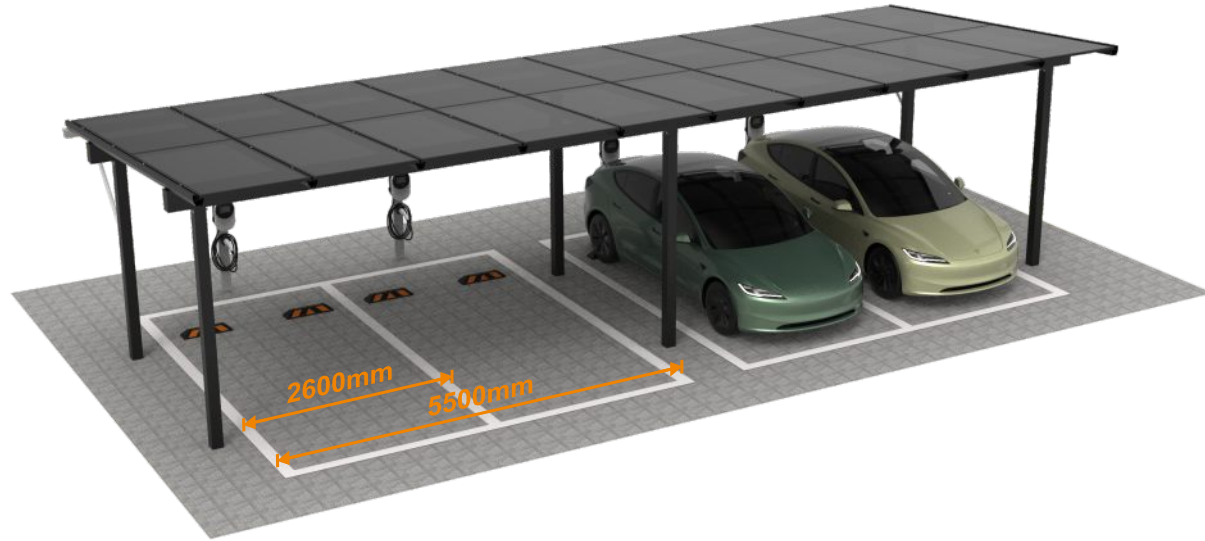
Easy to Move Around











Ballast to Improve Stability

Technical Specifications

Type	Power Garden Mounting System
Application	Garden/Flat Roof
Tilt Angle	15°-30° Adjustable(Customized)
Material	AL6005-T5, Steel, SUS304
Panel Layout	Landscape (Horizontal)
Max Panel width	1134mm(Customized)
Design Standard	AS/NZS 1170, DIN 1055, JIS C8955: 2017, EN 1991, IBC 2009
Warranty	10 Years
Max wind Speed	35m/s
Max Snow Load	1.0KN/m ²
Color	Natural Silver or Black



- 
Strong Anti-Corrosion Ability
- 
Minimalist Design
- 
Quick Installation
- 
10-year warranty

- 
Strong Apaptability in Scenarios
- 
Reliable and Durable
- 
Quick Installation
- 
10-year warranty

Applicable Conditions

Module size	2278*1134*35
Module Orientation	Portrait
Wind Load	38 m/s (10 min) or Customized
Snow Load	99 cm

Technical Specifications

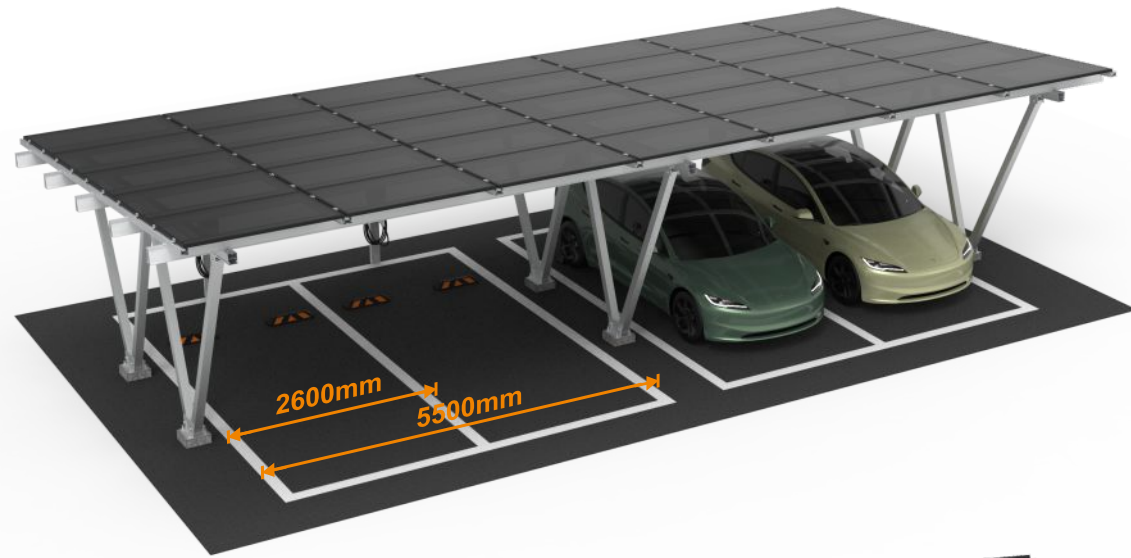
Mounting Angle	5°
Foundation	Concrete foundation
Waterproofness	Structural Waterproof
Material	Aluminum Alloy 6005-T5
Surface Treatment	Anodizing AA10
Color	Black or Silver
Standard	JIS C 89552017, Japanese Design Standard for Aluminum Structures
Warranty	10 year

Applicable Conditions

Module size	1722*1134*30
Module Orientation	Landscape
Wind Load	32 m/s (10 min) or Customized
Snow Load	0.85 kN/m ²

Technical Specifications

Mounting Angle	5°- 10°
Foundation	Concrete foundation
Waterproofness	Structural Waterproof
Material	Galvanized steel Q235B/Q355B
Surface Treatment	H.D.G. 85µm(Avg.) or Customized
Color	Natural Silver or Customized
Standard	DIN 1055, JIS C 89552017, IBC 2009, En1991
Warranty	10 year



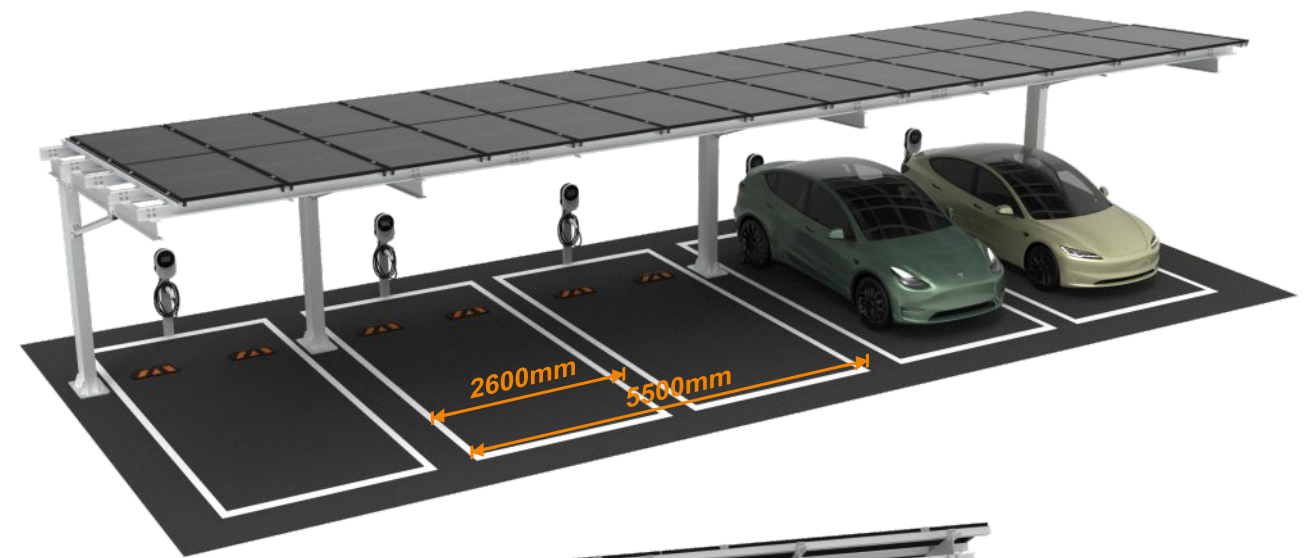
- Strong Apaptability in Scenarios
- Strong Anti-Corrosion Ability
- Quick Installation
- 10-year warranty

Applicable Conditions

Module size	1722*1134*30 / 2278*1134*35
Module Orientation	Landscape
Wind Load	40 m/s (10 min) or Customized
Snow Load	1.4 kN/m ²

Technical Specifications

Mounting Angle	5°- 10°
Foundation	Concrete foundation
Waterproofness	Structural Waterproof
Material	ALuminum Alloy 6005-T5
Color	Natural Silver or Customized
Standard	DIN 1055, JIS C 89552017, IBC 2009, EN1991
Warranty	10 year



- High Clearance
- Spacious Doorway Area
- Reliable and Durable
- 10-year warranty

Applicable Conditions

Module size	2278*1134*35
Module Orientation	Landscape
Wind Load	35 m/s (3s) or Customized
Snow Load	2.0 kN/m ²

Technical Specifications

Mounting Angle	3°
Foundation	Concrete foundation
Waterproofness	Roof Structural Waterproof
Material	Galvanized steel Q235B/Q355B
Surface Treatment	H.D.G. 85µm(Avg.) or Customized
Color	Natural Silver or Customized
Standard	EN 1991/MS EN1900:2010/MS 1553:2002
Warranty	10 year



Powerway References



 PowerFit  Chile PMGD Portfolio Projects  600 MW



 PowerFit  Chile  95 MW



 PowerFit  Romania  69 MW



 PowerFit  Poland  27 MW



 PowerFit  Estonia  8 MW






 PowerFit  Malaysia  75 MW



 PowerFit  Malaysia  45 MW



 PowerFit  Malaysia  43 MW



 PowerFit-Blade  China  24 MW



 PowerFit-Blade  Iraq  3 MW



 DuraPower  Japan  100 MW



 DuraPower  Hungary  54 MW



 MACPower  Japan  38 MW



 DuraPower  Japan  12 MW



 MACPower  Estonia  8 MW

 Powerway Mounting System-Coastal Gale Environment



 MACPower  Philippines  120 MW



 MACPower  Malaysia  155 MW



 MACPower  China  128 MW



 MACPower  China  60 MW



 MACPower  China  40 MW



 DuraPower  Japan  140 MW



 UniPower  Japan  53 MW



 MacPower  China  50 MW



 DuraPower  Japan  42 MW



 DuraPower  China  30 MW

 Powerway Mounting System-Sand Environment



 MACPower  Chile  480 MW



 DuraPower  Algeria  120 MW



 DuraPower  Pakistan  100 MW



 MACPower  China  40 MW



 MACPower  Madagascar  8 MW

 Powerway Mounting System-Soft Soil Environment



 MACPower  Vietnam  250 MW



 MACPower  Thailand  240 MW



 MACPower  Malaysia  137 MW



 MACPower  Bengal  134 MW



 MACPower  Malaysia  115 MW



 Sheet Metal Roof  China  10.6 MW



 Sheet Metal Roof  China  5.6 MW



 Sheet Metal Roof  China  4.83 MW



 Carport PV  China  3.5 MW



 Carport PV  Malaysia  1.2 MW