



HANGZHOU HUADING SOLAR ENERGY TECHNOLOGY CO.,LTD. HANGZHOU HUADING NEW ENERGY CO.,LTD.

www.hdsolartech.com

Company Profile

HDsolar was established in 2009 as a leading supplier of PV mounting and tracking system for utility, commercial, industrial and residential projects worldwide.

Located in Hangzhou city, HDsolar has a workshop over 13,000 square meters with annual production capacity 1.2 GW and all of the products are stringently manufactured in accordance with ISO9001-2008; Over 10 years experience and successful cases made HDsolar a trustworthy partner and we continue to provide the most effective, reliable and durable solar products to our customers worldwide.

PRODUCTS:

Ground Mounting System Ground Aluminum Mounting System Ballasted Roof Mounting System Metal Roof Mounting System Tile Roof Mounting System Dual Axis Tracking System Horizontal Single Axis Tracking System Tilt Single Axis Tracking System Agricultural Photovoltaic System Solar Carport System

MISSION:

Comitted to develop innovative technologies and excellent service to meet the growing solar energy needs.

VALUES:

Innovation; Trust; Efficiency ; Harmony.

Certificates & Letters Patents



About us



Up to now, HDsolar has participated in PV exhibitions in China, Japan, Dubai, Philippines, Vietnam, Australia etc.



CATALOG ^{目录}___

	Ground aluminum mounting system	01
	Ground carbon steel support	03
	Ground mounting system-Screw pile	05
	Ground mounting system-Concrete foundation	··07
	C-type steel pile foundation carbon steel ground mounting system	09
	H-type steel pile foundation carbon steel ground mounting system	··11
	Ballasted roof mounting system	··13
	Tile-on roof mounting system	···15
	Metal roof mounting system	··17
	Venus series-sprocket single row independent drive tracker	19
	Mars series - rotary single row independent drive tracker	··21
	Saturn series chain wheel multi row linkage tracker	
	Jupiter series push rod multi row linkage tracker	25
	Uranus series - single column double axis tracker	···27
	Tilt single axis tracking system	
	Solar carport system	31
	Agricultural photovoltaic system	33
	Folding PV Mounting system	35
	Domestic project cases	37
►	Intemational project cases	39

Salar



Ground Aluminum Mounting System

Product Features

- Rapid installation, few components, high commonality The system has the advantages of less parts, simple installation, and cost saving.
 Installing components through beams with card slot will be more effective and convenient.
- Reduction of construction error
 Using non block beams can save block position; Connecting beam and diagonal beam with slide nuts would helps reducing installation errors.
- High-strength and good erosion-resistance The main structure is in anodized 6005-T5 , and its fasteners are in anodized SUS304, with neat appearance and good erosion-resistance.
- 🐱 Wide range

The special character of aluminum alloy and stainless steel determines the product can be applied to various fields.

Installation site	Open Ground	
Installation angle	On requirement	
Module arrangement	Portrait or landscape	
Module specification	Frame/ frameless Crystalline/ thin film	
Module size	On requirement	
Principal Material	Anodized aluminum	
Installation height	On requirement	
Wind load	60m/s	
Snow load	On requirement	
Warranty time	On requirement	
International standard	ISO9001、CE	

Preview









Ground Carbon Steel Support

- X The foundation is applicable to complex terrain (shallow desert grassland gravel etc).
- X Adaptable for all kinds of soil conditions.
- 1 60-80um hot-dip galvanizing steel surface ensures high corrosion resistance.
- Excellent mechanical property. The system can pass safety test by mechanics. calculation and simulation software.

Installation site	Open Ground		
Installation angle	On requirement		
Module arrangement	Portrait or landscape		
Module specification	Frame/ frameless Crystalline/ thin film		
Module size	On requirement		
Principal Material	Anodized aluminum		
Installation height	On requirement		
Wind load	On requirement		
Snow load	On requirement		
Warranty time	10 years/20 years		
International standard	ISO9001、CE		



Concrete foundation







C-Type steel Size(mm): Height 60~2000 Width 30~60 Thickness 2.0~3.0 Material: Q235B/Q355B

H-Type steel Size(mm): Height 100~300 Width 100~300 Thickness 4.0~12 Material: Q235B/Q355B The galvanized thickness: over 65m galvanized The galvanized thickness: over 65m galvanized

U-type Steel

Size(mm): Height 41.3 ~74 Width 41.3 Thickness 2.0~3.0 Material: Q235B/Q355B

Round Steel

Size(mm): Outer diameter 60~108 Width 3.0~6.0 Thickness 2.0~3.0 Material: Q235B/Q355B The galvanized thickness: over 65m galvanized The galvanized thickness: over 65m galvanized

W-Type N-Type A-Type **Enhanced Type**



Ground Mounting System-Screw Pile

Product Features

- Eco-friendiy and non-pollution.
- Adaptable for all kinds of soil conditions.
- 60-80um hot-dip galvanizing steel surface ensures high corrosion resistance.
- High installation efficiency, pile driving finished in max.3 minutes.
- Excellent mechanical property.

Installation site	Open Ground (Complex Terrain)	
Foundation	Ground screw	
Installation angle	On requirement	
Installation height	On requirement	
Module arrangement	Portrait or landscape	
Module specification	Frame/ frameless crystalline/ thin film	
Module size	On requirement	
Principal Material	Hot dip galvanizing steel	
Wind load	On requirement	
Wind load Snow load	On requirement On requirement	
Snow load	On requirement	

Installation



Install the screw piles underground and keep the top of the pile at the same level.



Connect the screw pile with front stand pile and back stand pile.



Connect beam with stand pile.



Connect beam with cross rails.



Fasten the PV modules by middle clamps and end clamps.













Splicer

C-Type steel

Connecting fitting

Connecting fitting

Connecting fitting

Connecting fitting

Components



Drawing



Project Cases







Ground Mounting System-Concrete Foundation

Product Features

🔀 Wide range of application

The foundation is applicable to complex terrain (shallow, desert, grassland, gravel, etc)

Strong anti-corrosion

Hot-dip galvanizing steel, rust prevention (galvanized surface thickness: $80 \mu m)$

🔀 Diverse Option

Adapt corresponding concrete basement according to local terrain. (Applicable to individual base, strip foundation, precasted foundation, etc.)

🔀 Excellent Mechanical Property

The system can pass safety test by mechanics calculation and simulation software.

Installation siteOpen Ground (Complex Terrain)FoundationConcreteInstallation angleOn requirementInstallation heightOn requirementModule arrangementPortrait or landscapeModule specificationFrame/ frameless
crystalline/ thin filmModule sizeOn requirementPrincipal MaterialHot dip galvanizing steelWind loadOn requirementSnow loadOn requirementWarranty time10 yearsInternational standardISO9001、CE



















C-type Steel Pile Foundation Carbon Steel Ground Mounting System

Product Features

Environmental protection

No damage to vegetation and ecological environment, no pollution.

- Wide application range The pile foundation is suitable for various geological environments such as shallow beaches, deserts, grasslands, Gobi, and gravel strata etc.
- High strength corrosion resistance Using high-quality hot-dip galvanized steel with galvanizing thickness of 60-80μm or more in order to effectively prevent rusting.
- High installation efficiency
 Easy to install, complete piling within 3 minutes.
- 🚼 Good mechanical properties

The structure design is subject to professional and strict mechanical calculation to ensure that it can meet the mechanical and architectural specifications under different conditions and ensure safety and stability.

Installation site	Open Ground (Complex Terrain)	
Foundation	C-shaped steel pile	
Installation angle	On requirement	
Installation height	On requirement	
Module arrangement	Portrait or landscape	
Module specification	Frame/ frameless crystalline/ thin film	
Module size	On requirement	
Principal Material	Hot dip galvanizing steel	
Wind load	On requirement	
Snow load	On requirement	
Warranty time	10 years	
International standard	ISO9001、CE	

Installation

I half black here

After the C-shaped pile is driven into the ground, make sure that all the upper ends of the piles are

kept at the same level.



Connect the main beam and the purlin fixing cleat.

3

Connect the main beam and the column.



Connect the purlin and the main beam.



Fix the PV modules on the purlin with middle clamps and end clamps.



Project Cases





H-type Steel Pile Foundation Carbon Steel Ground Mounting System

Product Features

- Environmental protection
 No damage to vegetation and ecological environment, no pollution.
- Wide application range The pile foundation is suitable for various geological environments such as shallow beaches, deserts, grasslands, Gobi, and gravel strata etc.
- High strength corrosion resistance

Using high-quality hot-dip galvanized steel with galvanizing thickness of $60-80\mu m$ or more in order to effectively prevent rusting.

- 🔛 High installation efficiency
 - Easy to install, complete piling within 3 minutes.
- 🔀 Good mechanical properties

The structure design is subject to professional and strict mechanical calculation to ensure that it can meet the mechanical and architectural specifications under different conditions and ensure safety and stability.

Installation site	Open Ground (Complex Terrain)		
Foundation	H-shaped steel pile		
Installation angle	On requirement		
Installation height	On requirement		
Module arrangement	Portrait or landscape		
Module specification	Frame/frameless crystalline/thin film		
Module size	On requirement		
Principal Material	Hot dip galvanizing steel		
Wind load	On requirement		
Snow load	On requirement		
Warranty time	10 years		
International standard	ISO9001、CE		

Installation

Kalah Malah Kalah Kala

1

After the H-shaped pile is driven into the ground, make sure that all the upper ends of the piles are kept at the same level.



Connect the main beam and the purlin fixing cleat.



Connect the main beam and the column.



Connect the purlin and the main beam.



Fix the PV modules on the purlin with middle clamps and end clamps.





Ballasted Roof Mounting System

HD Solar Ballasted Mounting System is a universal mounting system suitable for rooftop. Large scale installation can be realized without extra processing in site.

Product Features

- Flexible and rapid installation.
- Simple structure with cost saved.
- 🔀 Diversified application and customized solution available.
- X No rooftop damaged and can be reused.



Installation site	Flat roof		
Tilt Angle	As required		
Wind load	On requirement		
Module	Frame/frameless		
Mould specification	As required		
Material	Q235B		
Fixed mode	Concrete block		
Module Arrangement	Landscape or portrait		
Life span	Span 25 years		



Hinged connection

End clamp

Bracket



① The bracket is arranged on the roof according to the actual requirement.



2 Put the concrete block ballasted on the bracket.



3 Fasten the hinged connection onto the bracket with bolt, and then fixed the module with the hinged connection.



③ Installation is completed.

Project Cases



Tile-on Roof Mounting System

Product Features

- ☆ Widely used for various tiles (S-Type tile, Scales tile, slating, etc.) for both crystalline and thin film modules.
- Special connection design makes installation easier and faster.
- All components are made from anodized aluminum & stainless steel to ensure high durability.

· · · · ·

Installation site	Tile roof		
Slop of roof	<30°		
Wind load	On requirement		
Module arrangement	Portrait or landscape		
Module specification	Frame/ frameless, crystalline/ thin film		
Module size	On requirement		
OPrincipal Material	Anodized aluminum		
Components material	Anodized aluminum/Stainless steel		
Snow load	On requirement		
International standard	ISO9001、CE		



① Choose suitable roof hook according to the type of tile, fix the roof hook on to the wooden beam with screw.



② Fix the aluminum rail to the roof hook with T-head bolt and flange nut.



③ Fix the aluminum rail to the roof hook with T-head bolt and flange nut.





Product: Ceramic tile roof hook 01 Specification: a=166mm;b=115mm;c=180mm;d=50mm Material: SUS304



Product: Ceramic tile roof hook 02 Specification: a=130~160mm(adjustable) b=115mm;c=180mm;d=50mm Material: SUS304



Product: Ceramic roof hook 03 specification: a=120mm; b=106.5mm; c=80mm; d=75mm; e=50mm Material: SUS304



Product: Asphalt shingle roof hook 01 Specification: a=120mm; b=195mm; c=80mm Material: SUS304



Product: Asphalt shingle roof hook 02 Specification: a=156~168mm(adjustable); b=140mm; c=54mm Material: SUS304





Metal Roof Mounting System

This system is widely used in flat roof and tilt roof and can be large-scale installed. With special aluminum rails, 'z' clamp and rail connection technology, there is no need for on-site processing which make the installation of panels faster and more convenient.

Product Features

COLUMN ADDRESS

- Apply in parallel roof solution and tilt angle roof solution.
- Quick installation, structural stability and easy assembly.
- Anodized aluminum rails, stainless steel components for long life span.
- Optimizing solutions available according to actual comdition of the roof.



Installation site	Metal roof
Tilt Angle	As required
Building Height	≤20m
Module Arrangement	Landscape or portrait
Module Specification	Frame/frameless Crystalline/thin film
Module Size	As required
Principal Material	Anodized Al6005-T5& SUS 304
Wind load	On requirement
Snow Load	On requirement
Guarantee	10 years
Life Span	25 years
International Standard	ISO9001、CE

Installation Diagram



 Drill holes on the preset position of the corrugated roof and then fasten the hanger bolt.



Insert the T-head bolt into the slot of the rail, and put the rail onto the hanger bolt, then fasten the rail.



(3) Insert the end clamp and mid clamp into the slot of the rail. Then put the PV module onto the rail and then fasten it by inner hex bolt.



4 Put the pre-assembled clamp onto the mental roof, then fasten the bolt nut.



(5) Insert the bolt into the slot of the rail, put the rail onto the clamp and then make them fastened.



(6) Insert the end clamp and mid clamp into the slot of the rail. Then put the PV module onto the rail and then fasten it by inner hex bolt.

Clamp Type

Various types of clamp available for different roof metal shape. Adapting Pre-assembly design, superior aluminum alloy material make module connected with roof stably.



HDCL1406





HDCL1409









HDCL1403

HDCL1404





Venus Series-sprocket Single Row Independent Drive Tracker

Venus series tracker is a new type of photovoltaic tracking system which independently developed by HDsolar with high stability and strong field adaptability. Venus series tracker is more flexible in the arrangement on long, narrow and continuous undulating grounds, and isideal for photovoltaic power plants with complex terrain.







Can be flexibly arranged ,without limit of terrain

- mountains, hills, mountains and other narrow and undulating terrain to improve land utilization.
- Clear passage between rows The operation and maintenance machinery and equipment can pass freely between rows.
- Cost less on power station construction, no external power cable wiring Relying on string self-power supply, no external AC power supply is needed, reducing power station investment and shortening construction period.
- Wireless communication device with higher reliability The device comes with a wireless communication device, which reduces the investment cost of the power station and eliminates the need for on-site communication wiring construction and shortens the project construction period.
- Accurate astronomical algorithm active tracking and closed-loop feedback control operation

The controller uses astronomical algorithm active tracking and its closed-loop feedback control operation to ensure product reliability and operating accuracy, and ensure the stable income of the entire photovoltaic power plant.

Overall high protection compatible with outdoor complex environment The protection level of the control system and core transmission components is not less than IP65, which meets the application of long-term outdoor environment.

Impeccable evasive and protect system under bad weather In the event of severe weather, the system can automatically detect and perform corresponding evasive actions to protect the safety of the mounting system and modules.



Basic parameters				
Product type	Single row independent drive tracker	1	Drive type	Sprocket drive
Tracking range	±60°		Zinc coating thickness	≥65µm
Main structural material	Q235/Q355		Land use rate(GCR)	≥30%
Pile foundation form	PHC pipe pile/driven pile/cast-in-place pile			

Modul	۹	and	lavout
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Module Type	Crystalline silicon / membrane	Ground Clearance(Min)	0.5m
Layout of Module	1V/2V		

Automatic control			
Tracking mode	Astronomical algorithm / active tracking anti shadow tracking	Tracking accuracy	≤2°
Control mode	Closed loop feedback control	Control accuracy	≤0.5°
Power supply mode	String self power supply	Daily power consumption of the system	≤0.5kWh
Controller	MCU	Working environment temperature	-40°~+60°
Communication mode	Zigbee wireless communication	Weather protection	Gale/snow

Transmission and automation control

5years

10 years

Warranty Structure



Mars Series-Rotary Single Row Independent Drive Tracker

Mars series tracker is a new tracking system with simple design structure and convenient installation. The bearing parts are made of polymer material, and the modules are installed above the bearing pedestal. Compared to the traditional fixed mounting system which installed with fixed inclination Angle, this system has obvious advantages of reliability and cost performance, better ability in sand prevention, better fault identification, more flexible response, and increased power generation by 10%-20%.

Product Features



Convenient installation

The system structure is simple, non-professionals can also easily complete the installation.

- Convenient maintenance Single row independent operation mode, less correlation between rows, can be
- maintained individually. High working accuracy

The single rotary reducer drive can accurately drive the tracking system to track the sun in real time and improve the power generation efficiency.



High reliability

- Special purlin design, instead of clamps, the modules are fixed directly on the ppurlin with screws to improve the reliability of the system.
- Irregular terrain adaptation It can be flexibly arranged in the complex and irregular terrain such as hills or slopes, in order to greatly improve the land utilization rate.
- 🔛 Long life span
 - The mounting parts are made of hot-dip galvanized steel, magnesium-aluminum-zinc steel or aluminum profile, which has strong corrosion resistance and longer life span.

				~
Basic parameters				
Product type	Single row independent drive tracker	·	Transmission type	Rotary drive
Tracking range	±60°		Zinc coating thickness	≥65µm
Main structural material	Q235/Q355	1	Land use rate (GCR)	≥30%
Pile foundation form	PHC pipe pile/driven pile/cast-in-place pile	2		

Module and layout			
Module Type	Crystalline silicon / membrane	Ground Clearance(Min)	0.5m
Layout of Module	1V/2V		

Automatic control			
Tracking mode	Astronomical algorithm / active tracking anti shadow tracking	Tracking accuracy	≤2°
Control mode	Closed loop feedback control	Control accuracy	≤0.5°
Power supply mode	String self power supply	Daily power consumption of the system	≤0.5kWh
Controller	MCU	Working environment temperature	-40°~+60°
Communication mode	Zigbee wireless communication	Weather protection	Gale/snow

10 years

Warranty
U.S.

Structure

Transmission and automation control

5years



Project Cases



Saturn Series Chain Wheel Multi Row Linkage Tracker

Saturn series tracker adopts the installation method of components above the bearing pedestal, and the multi-row sprocket is driven by the three-phase motor through the multi-stage reduction gear. Compared with the traditional fixed inclination installation method of the bracket system, the single-tile steel quantity is less, the power generation is increased by 10%-20%, and the cost performance is higher. The bearing of the system is made of polymer material, which can adapt to the terrain of high and low drop.

Product Feature



- Adapt to fluctuate terrain
 The system consists of 600-800 modules, which can be arranged flexibly.
 High cost performance
- Simple structure, less steel used. High power generation efficiency Using a motor multi-stage deceleration drive sprocket flexi
- Using a motor multi stage deceleration drive sprocket, flexible driving, improve power generation efficiency.



High reliability

Special purlin design, instead of clamps, the modules are fixed directly on the purlin with screws to improve the reliability of the system.

Long life span The mounting parts are made of hot-dip galvanized steel, magnesium-aluminum-zinc steel or aluminum profile, which has strong corrosion resistance and longer life span.

				2
Basic parameters				
Product type	Multi row linkage		Transmission type	Sprocket drive
Tracking range	±45°		Zinc coating thickness	≥65µm
Main structural material	Q235/Q355	1	Land use rate (GCR)	≥30%
Pile foundation form	PHC pipe pile/driven pile/cast-in-place pile	9	9/-	
Module and layout				

Module and layout			
Module Type	Crystalline silicon / membrane	Ground Clearance(Min)	0.5m
Layout of Module	1V/2V		

Automatic control			
Tracking mode	Astronomical algorithm / active tracking anti shadow tracking	Tracking accuracy	≤2°
Control mode	Closed loop feedback control	Control accuracy	≤0.5°
Power supply mode	AC380~480V,50/60Hz	Daily power consumption of the system	≤1kWh
Controller	PLC	Working environment temperature	-40°~+60°
Communication mode	Zigbee wireless communication	Weather protection	Gale/snow

Warranty

Structure

Transmission and automation control

5years

Project Cases



10 years

Jupiter Series Push Rod Multi Row Linkage Tracker

Jupiter series tracker adopts the installation mode of modules above the bearing pedestal, driven by a large thrust electric push rod to run together with multiple rows, Compared to the traditional fixed mounting system , this system have the advantages of less single-watt steel, power generation increased by 10%-20%, more cost-effective. The bearing of the system is made of polymer material, which has strong ability of sand control, fault identification and flexible reaction.

Product Features



Suitable for flat site

The system consists of 600-800 components to form a module. High cost performance

- Simple structure, less steel used.
- High power generation efficiency Single large thrust electric push rod drive, flexible reaction, improve power generation efficiency.



High reliability

Special purlin design, instead of clamps, the modules are fixed directly on the ppurlin with screws to improve the reliability of the system.

Long life span The mounting parts are made of hot-dip galvanized steel, magnesium-aluminum-zinc steel or aluminum profile, which has strong corrosion resistance and longer life span.

•				
Basic parameters				
Product type	Multi row linkage	· · · ·	Transmission type	push rod drive
Tracking range	±45°		Zinc coating thickness	≥65µm
Main structural material	Q235/Q355		Land use rate (GCR)	≥30%
Pile foundation form	PHC pipe pile/driven pile/cast-in-place	pile	4/-	

Module and layout			
Module Type	Crystalline silicon / membrane	Ground Clearance(Min)	0.5m
Layout of Module	1V/2V		

Automatic control			
Tracking mode	Astronomical algorithm / active tracking anti shadow tracking	Tracking accuracy	≤2°
Control mode	Closed loop feedback control	Control accuracy	≤0.5°
Power supply mode	AC380~480V,50/60Hz	Daily power consumption of the system	≤1kWh
Controller	PLC	Working environment temperature	-40°~+60°
Communication mode	Zigbee wireless communication	Weather protection	Gale/snow

10 years

Warranty

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Structure

Transmission and automation control

5years

Project Cases







Uranus Series-single Column Double Axis Tracker

Jupiter series tracker could automatically calculate the azimuth angle and elevating angle in accordance with local longitude, latitude and time. Then issue instructions to track the path of the sunlight timely, with stable operating and increasing 45% power generation. HuaDing solar dual axis tracking system will be your ideal choice for solar power plants.

Product Features

- Adapt to complex terrain for special pillar type installation.
- 🔀 Hot-dip galvanized steel and anodized aluminum material, good anticorrosion with long life span.
- High precision of slewing driver with small gap, more stable.

Control System Function

- Self-checking function and displaying present working condition.
- Return to original position automatically at night.
- 🔀 Backward tracking function.
- Meteorological monitoring function: automatically perform corresponding evasive action to protect from the harsh wind, rainfall and snowfalls.
- 🔀 With manual control mode, adjusting the angle of tracker can be artificial.
- Power-off protection and data memory function.

Tracking Path



Basic parameters Product Type	Single column double axis tracker	Transmission type	Rotary drive	
Tracking range	Elevation angle:0-70°azimuth:±120°	Foundation Type	PHC/bored pile	
Main structural material	Q235/Q355	Zinc coating thickness	≥65µm	
Module and lavout				

Tracking mode	Astronomical algorithm/active tracking anti shadow tracking	Tracking accuracy	≤2°
Control mode	Closed loop feedback control	Control accuracy	≤0.5°
Power supply mode	String self power supply	Daily power consumption of the system	≤0.5kWh
Controller	MCU	Working environment temperature	-40°~+60°
Communication mode	Zigbee wireless communication	Weather protection	Gale/snow

10 years

Structure

Project Case





Transmission and automation control

5years



Tilt Single Axis Tracking System

HuaDing tilt single axis tracker is a cost effective product designed for large-scale PV ground mount systems. The unique linkage structure and maintenance-free rotary bearing provides excellent reliability, low failure rate and low maintenance cost. This system enables to increase power generation by20%-40% annually.

Product Features

- Pre-assembly design, reduce site installation time .
- Adaptable to large scale solar power plant in middle and high latitude regions.
- Hot-dip galvanized steel and stainless steel materials, high anticorrosion and long life span.
- Maintenance-free design, using polymer bearing can effectively prevent the erosion caused by sand, dust, rain and snow.
- Automatic recognition of protection for all kinds of weather(rain, snow, high wind, etc).

Control system function

- Self-checking function and displaying present working condition.
- Automatically return to horizontal position at night.
- Obtaining mounting angle in real time; automatically tracking sunlight and maximizing power capacity.
- Meteorological monitoring function: automatically perform corresponding evasive action under the condition of rainfalls, snowfalls and low-light; mounting system protection and maximum of power generation.
- With manual control mode, adjusting the angle of tracker can be artificial.
- Power-off protection and data memory function.

Control mode	Time control
Tracking accuracy	±1°
Driving power	AC 380V/ DC 24V
Driving capacity	90W
Tracking range	±45°
Tilt angle	≤30°
Bearable limit wind speed	On requirement
Working wind speed	On requirement
Operating mode	net working
Working temperature	- 25 °C ~65 °C
Design life span	25 years
Principal Material	Hot-dip galvanizing steel
International standard	ISO9001、CE

Horizontal single axis tracking system - 4 Linkage Unit









Project Cases





Product Features

- 10 years of guarantee, 25 years of service life.
- Hot-dip galvanizing surface treatment ensure high corrosion resistance.
- 🔀 Firm and waterproof.
- The system was strictly tested for safety by mechanics calculation and simulation software.
- 🔀 Quick installation.



Installation site	Open ground
Installation angle	0~20°
Module arrangement	Portrait or landscape
Module specification	Frame/ frameless crystalline/ thin film
Module size	On requirement
Principal Material	Anodized aluminum
Wind load	On requirement
Snow load	On requirement
Service life span	25 years
International standard	ISO9001、CE

Components



Base Bracing



Rail





Main Beam







Carport Structured Types



Design for single car

(Max. up to 6m in length)

Design for 2 cars A (Max. up to 13.5m in length)



Design for 2 cars B (Max. up to 13.5m in length)

Project Cases





Agricultural Photovoltaic System

It seems quite obvious that the agriculture industry benefits from solar power, but the benefits it does receive from this type of power go far beyond what anyone would normally think. The amount and intensity of sunlight in any area is used to figure out what types of crops would grow best there and the best time of the year to plant them.

So it's obvious that farms are planted in areas that receive a lot of sunlight, which is also a requisite for getting the most energy out of a solar array.

Product Features

- Strong structure and maximum utilization of space
- 🔀 Fast installation without welding
- Hot dip galvanizing steel & stainless steel with strong anti-corrosion and long life span
- Adaptable to complex terrain and reach long span.
- Integrated perfectly power generating with farming and Improved the utilization of land efficiently



Installation site	Ground
Installation angle	On requirement
Installation height	On requirement
Module arrangement	Portrait or landscape
Module specification	Frame/ frameless Crystalline/ thin film
Module size	On requirement
Principal Material	Hot-hip galvanizing steel & anodized aluminum
Wind load	On requirement
Snow load	On requirement
Service life span	25 years
International standard	ISO9001、CE

Project Case











Folding PV Mounting System

HD Solar dual axis tracking system could automatically calculate the azimuth angle and elevating angle in accordance with local longitude, latitude and time. Then issue instructions to track the path of the sunlight timely, with stable operating and increasing 25%- 40% power generation. HuaDing Solar dual axis tracking system will be your ideal choice for solar power plants.

Product Features

- The foldable photovoltaic support structure of the utility model comprises a container and a photovoltaic support module, which is composed of a plurality of foldable support units.
- The folding support system can be moved at any time according to the power consumption, and can be rapidly expanded or folded for easy movement and transportation.
- Replacing the original photovoltaic support guide rail, using the structure of hinge and connecting rod to connect the upper and lower components, saving materials and reducing costs.





Installation site	Open Ground
Installation Angle	As required
Installation Height	As required
Module Arrangement	Portrait or landscape
Module Specification	Frame/frameless crystalline/thin film
Module Size	As required
Principal Material	Hot dip galvanizing steel
Wind load	On requirement
Snow load	On requirement
Design Life Span	25 years
Warranty Time	10 years
International Standard	ISO9001,CE,TUV



Product Display



Domestic Project Cases





Date:09.2018 Capacity:377.6KW Location:Songyang zhejiang Type:Ground mounting system





Location:Yuangu shanxi Type:Ground mounting system Date:04.2018 Capacity:10MW



Location:Sanmenxia Henan Type:Ground mounting system

Date:03.2018 Capacity:20MW



Date:07.2017 Capacity:90MW



Location:Datang Zhejiang Type:Ground mounting system Date:06.2017 Capacity:40MW



Location:zhoushan zhejiang Date:06.2017 Location:Jinzhou li Type:tilt single axis tracking system Capacity:130KW Type:EPC Project



Location:Jinzhou liaoning

Date:05.2017 Capacity:15MW



Location:Laiyuan Hebei Type:Ground mounting system

Date:05.2017 Capacity:20MW



Location:Yueqing zhejiang Type:Ground mounting system

Date:04.2017 Capacity:50MW



Location:Jiande zhejiang Date:02.2017 Type:Water surface mounting system Capacity:20MW



Location:Anji zhejiang Type:Ground mounting system Date:01.2017 Capacity:35MW

Domestic Project Cases







Date:08.2016 Capacity:40MW Location:Zaozhuang Shandong Date:12.2015 Type:Ground mounting system Capacity:10MW



Location: Yongchang Gansu Type:Ground mounting system Date:10.2015 Capacity:20MW



Location:Quzhou zhejiang Type:Ground mounting system

Date:08.2015 Capacity:45MW



Location:Mongolia inner Type:Ground mounting system

Date:08.2015 Capacity:100MW



Location:Xinghua Jiangsu Type:Water surface system Date:05.2015 Capacity:80MW



Location:Datong Shanxi Type:Ground mounting system Date:12.2014 Capacity:50MW



Date:11.2014 Location:Peixian Xuzhou Type:Ground mounting system Capacity:10MW



Location: Jiayuguan Gansu Type:Ground mounting system

Date:06.2014 Capacity:30MW



Location: Taizhou Jiangsu Date: 04.2014 Capacity: 80MW Location: Xi'an Shanxi Type: Fishing Light Complementary Mounting Bracket



Type:Ground mounting system





Location:Quzhou Jiangsu Type:Ground mounting system

Date:03.2014 Capacity:45MW

International Project Cases



Location:Malaysia Type:Ground mounting system

Date:12.2019 Capacity:45MW



Location:Ukraine Type:Ground mounting system

Date:10.2019 Capacity:114MW



Location:Hokkaido Japan Type:Ground mounting system

Date:4.2019 Capacity:12MW



Location:Nha Trang, Vietnam Type:Ground mounting system

Date:11.2018 Capacity:50MW



Type:Ground mounting system Capacity:1.02MW

Date:10.2018



Date:09.2018 Location:Binh Dinh,Vietnam Type:Ground mounting system Capacity:50MW



Location:Hokkaido, Japan Type:Ground mounting system

Date:08.2018 Capacity:5MW



Location:HCMC,Vietnam Type:Roof mounting system Capacity:700KW

Date:07.2018



Location:Dau Tieng,Vietnam Type:Ground mounting system



Location:Romblon,Philippines Type:Ground mounting system

Date:06.2018 Capacity:7.6MW

International Project Cases



Type:Ground mounting system Capacity:5MW



Date:12.2017 Location:Ghana/Tanzania Type:Ground folding mounting system Capacity:316.8KW Type:Roof mounting system



Location:Afghanistan

Date:12.2017 Capacity:300KW



Location:Argentina Date:12.2017 Type:Roof aluminum mounting system Capacity:221.6KW Type:Solar carport system Capacity:221.6KW



Location:Brazil Date:10.2017



Location:Japan Type:Roof mounting system

Date:07.2017 Capacity:800KW



Location:Chile Date:04.2017 Type:Roof aluminum mounting system Capacity:300KW



Location:Philippine Type:Single axis tracking system Capacity:20KW

Date:01.2017



Location:Philippine Type:Roof mounting system Capacity:500KW

Date:12.2016



Location:Egypt Type:Roof aluminum mounting system Capacity:300KW



Location:Japan Date:06.2016 Type:Solar carport system Capacity:108KW



Location:Saudi Arabia Type:Dual axis t racking system

Date:12.2015 Capacity:20KW

- 40

Partner





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