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Company Profile

As one of the largest solar bracket manufacturer in China, Tianjin Jucai Huixin Industry And Trade Co., Ltd. export started in 2020 with a total factory area of more than 3 0,000 square meters and an annual production capacity of 450, 000 tons.

We specialize in delivering reliable and cost-efficient solar PV mounting system solutions for a widerange of projects wo rldwide. Our expertise extends to residential, agriculture, industrial, government, commercial, and utility-scale solar design & OEM manufacturing.

Management Concept

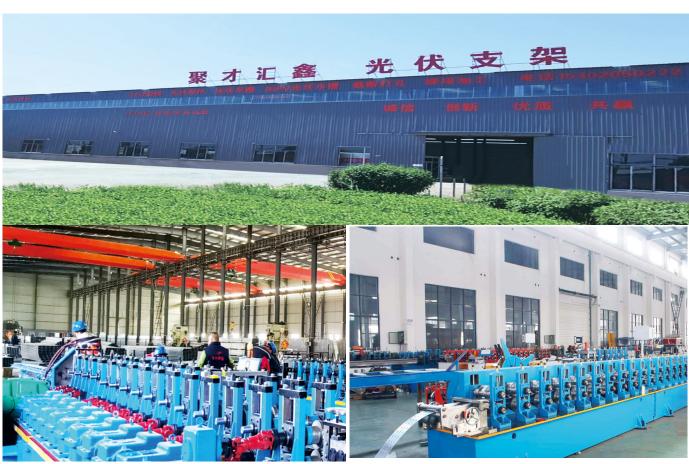
We have consistently emphasized a standardized and internationalized management approach since its inception. From the outset, we have actively embraced and rigorously implemented internationally recognized quality management systems, such as ISO9001, ISO14001, ISO45001,ROHS & CE.

These systems are applied comprehensively across all phases of our operations, including research and development, manufacturing, marketing, and post-sales services.

Research and Development

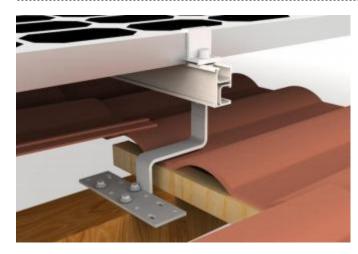
At our core, we prioritize professionalism and innovation in our product research and development. By upholding professional standards, we offer effective guarantees to our customers, while our dedication to innovation enables us to create additional value.

Our Factory Photos





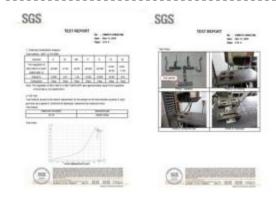
Tile Roof Mount



Component List

Cor	mponent	Quantity
A.	Stainless Steel 304 hook	1
В.	6.3x65mm woodscrew & EPDM washer	3
C.	M8x25mm SUS 304 bolt & rail nut & SUS washe	er 1

SGS TEST REPORT

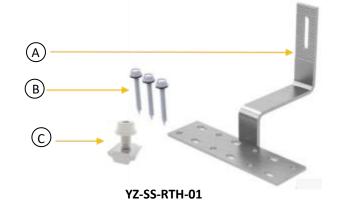


different options offered to install on top of roof and side of roof rafter **Features**

- 1. Accommodate different types of PV solar panels
- 2. Custom-made tile hooks based on tile specifications
- 3. Made of SUS 304
- 4. Easy and fast installation

Tile Roof Mount, Tile Hook,

- 5. No need to drill into tile
- 6. Slotted for easy adjustment

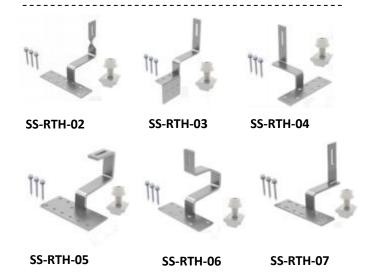


SUS Tile Hook



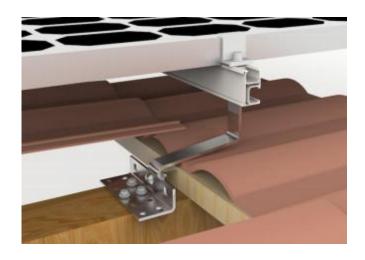
AA-RTH-01

Tile Hook Series





Adjustable Tile Roof Mount



Adjustable Tile Hook can be adjusted horizontally and vertically, which extend the chance where regular tile hook can't be used.

Features

- 1. Accommodate different types of PV solar panels
- 2. Custom-made tile hooks based on tile specifications
- 3. Made of SUS 304
- 4. Easy and fast installation
- 5. No need to drill into tile
- 6. Slotted for easy adjustment

Components Quantity A. Stainless Steel 304 hook 1 B. 6.3x65mm woodscrew & EPDM washer 3 C. M8x25mm SUS 304 bolt & rail nut & SUS washer 1

SGS TEST REPORT

D. M10x 25mm bolt & hex nut

Component List



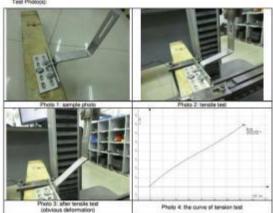
TEST REPORT

No. : XMIN1810006911ML Date : Oct 16, 2018 1

ed method: According to the client's requirement, the base place of the hook was fixed to the wood (th three 8°100 wood screws, while the wood was fixed to the test bench (see photo 2); increase the visite tonce as Sminimin until the hook has obvious deformation. Placed the fonce.

Test result: When the torics increased to 4.01kN, hook presented abvious deformation (see photo 3 Note: Screen, and wood are convided by the customer.

Test Distribute





SS-ATH-01

SS-ATH-05

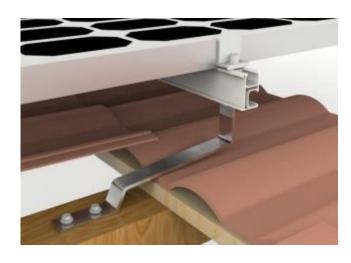
Adjustable Tile Roof Hook Series



SS-ATH-06



Flat Tile Roof Mount



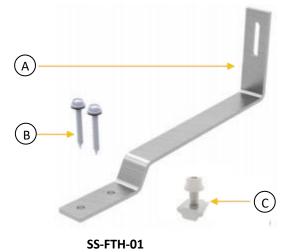
Flat Tile Hook offers the best and easiest solution when install asolar system oncementor flat tile roof.

Features

- 1. Accommodate different types of flat tile roofs
- 2. Made of SUS 304
- 3. Pre-assembled parts for easy and fast installation
- 4. No need to drill into tile
- 5. Slotted for easy adjustment

Component List

Coi	mponents	Quantity
A.	Stainless Steel 304 hook	1
В.	6.3x65mm woodscrew & EPDM washer	2
C.	M8x25mm SUS 304 bolt & rail nut & SUS washer	1



Flat Tile Roof Hook Series

Shingle Tile Roof Hook Series



SS-STH-01



SS-STH-02



SS-FTH-02



SS-FTH-03



SS-STH-03



SS-STH-04



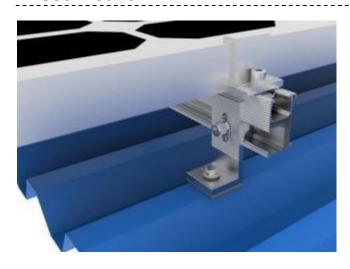
SS-FTH-04



SS-FTH-05



L Foot Mount



L Foot mount have been widely used on universal corrugated metal sheet roof. It also can fix to the roof rafter directly.

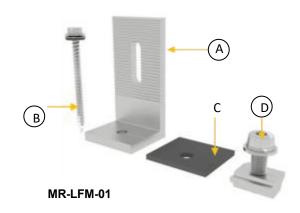
Plus, it can be applied with all kinds of hanger bolt and roof clamps.

Features

- Simple and cost-effective installation 1.
- 2. Material: Aluminum 6005-T5 & SUS 304
- 3. Waterproof rubber gasket integrated
- 4. Apply for many kinds of metal roof

Components List

Components		Quantity
A.	L Foot Mount	1
В.	M6.3x80mm woodscrew	1
C.	Rubber Gasket	1
D.	M8X25 SUS 304 bolt& rail nut & SUS washer	1



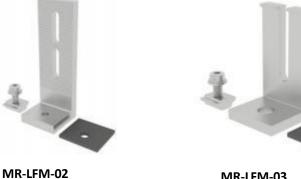
Specification

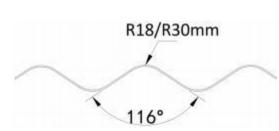












MR-LFM-03

MR-LFM-04

Metal Roof Mount System



Hanger Bolt Mount



Hanger Bolt apply to install on both wooden rafter and steel purlin. Both types can be applied with L Foot and plate. There are three sizes most common use, M10x200mm, M12x200mm and M12x300mm Hanger bolt.

Features

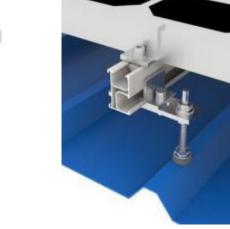
- 1. Fast and simple installation
- 2. Made of SUS 304
- 3. Highly corrosion resistant surface treatment
- 4. Waterproof EPDM rubber integrated
- 5. Wooden rafter and steel purlin options

Hanger Bolt Mount Series





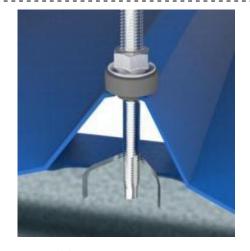
MR-HB-01





Application



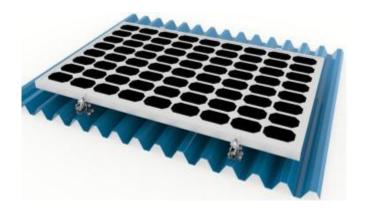




Metal Roof Mount System



Trapezoidal Metal Roof Clamps



Technical Information

Material: AL6005-T5 & EPDM

Application: Trapezoidal Metal Roof

 Fixed Way: Using self-tapping screw to fix the clamps on the roof

Custom made available for different metal roof







AL-MRC-02





Horizontal & Rail-less Solution



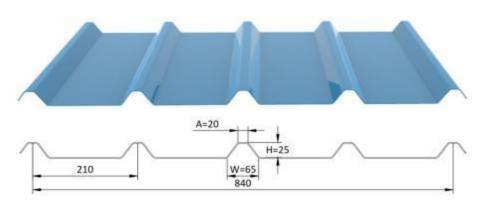
AL-MRC-03



Metal Roof Mount System



Trapezoidal Metal Roof Clamps



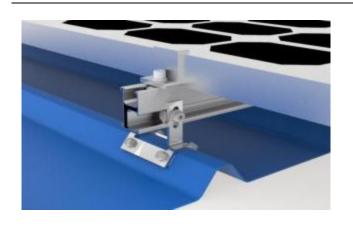
Technical Information

• Material: SUS304 & EPDM

• Application: Trapezoidal Metal Roof

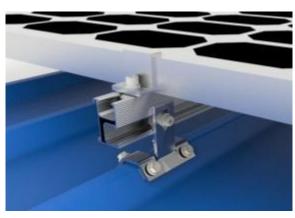
• Fixed Way: Using self-tapping screw

to fix the clamps on the roof













Universal Metal Roof Clamp

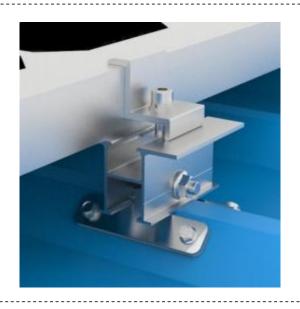


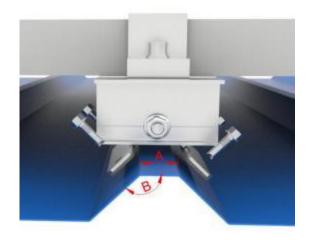


Universal Roof Clamp can work with all kinds of trapezoidal metal roof. It is a rail-less solution, it will help you save some cost and labor cost. Use anti-aging EPDM rubber to improve the waterproof performance. The material of this product is made by aluminum alloy (AL 6005-T5) and stainless steel 304 (SUS 304), which has strong corrosion resistance.



UM-RCUniversal Roof Clamp





Metal Roof Sheet Specification

	- 	Min.				Max.		
Α	 	20 mm		 		60 m	ım	
В		90 degree			_	140 de	egree	[

Universal Metal Roof Clamp

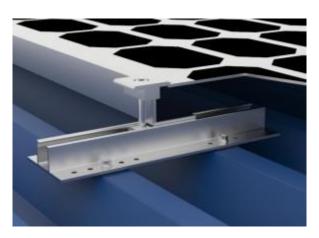


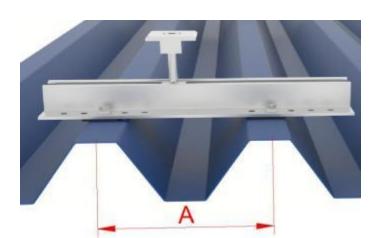


This type mini rail can work with all kinds of trapezoidal metal roof. It was made by aluminum alloy, which has strong anti-corrosion. For this solution, it can save at least 80% cost and 50% installation time.



AL-MRC-04 Vertical & Rail-less Solution





Metal Roof Sheet Specification

	Min.		 	Max.	
Α	80 mn	n	 	220 n	nm

Flat Roof Mount System







Features:

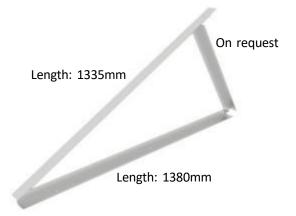
- 1. Adjustable tilt angle per different request;
- 2. Highly pre-assembled parts on factory can save installation time onsite and labor cost;
- 3. Simple and fast installation;
- 4. Hardware included;
- 5. Customized request can accept.

Technical information

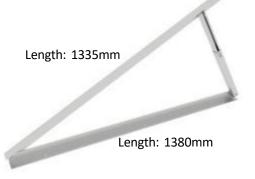
Application: Commercial & residential area

Max Wind Speed: 60m/s Material: Aluminum 6005-T5

Fixed Triangle Mount			
Item No.	Description	Length of Back Tilt	
FT-RM-15	Fixed Triangle Mount, Tilt angle 15°	405mm	
FT-RM-20	Fixed Triangle Mount, Tilt angle 20°	505mm	
FT-RM-30	Fixed Triangle Mount, Tilt angle 30°	705mm	



Fixed Triangle Mount



Adjustable Triangle Mount

Adjustable Triangle Mount			
Item No.	Adjustable Angle Range		
AT-RM-10/15	Adjustable Triangle Mount,	10~15。	
AT-RM-15/30	Adjustable Triangle Mount,	15~30 。	

Flat Roof Mount System II







Introduction

Flat Roof Mount System II is suitable for flat roof and tilt roof. Fixed angle and adjustable angle are both acceptable, you can choose one way to install, it will improve the applicability. This system will not damage the roof waterproof structure. Products are fully used aluminum alloy AL6005-T5 and stainless steel 304, it makes products has strongly corrosion resistance. The components are pre-assembled in factory, it makes installation easy and quick to save your cost and time.

Technical Information:

Installation Site: Flat Roof or Pitched Roof

Max Wind Speed: <60m/s

Max Snow Load: <1.4 KN / M2

Fixed Angle: 5° ~ 60°

 \checkmark Adjustable Angle : 5 $^{\circ}$ ~ 15, 15 $^{\circ}$ ~30 $^{\circ}$, 30 $^{\circ}$ ~60 $^{\circ}$

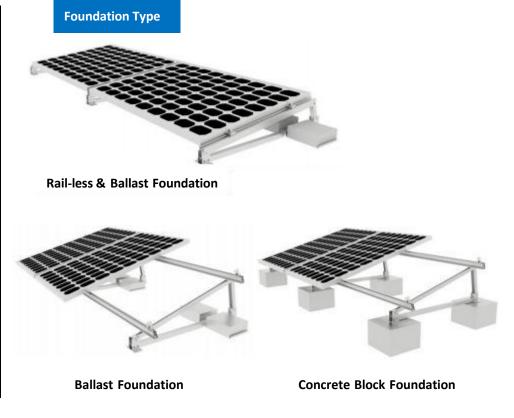
Anti-corrosion: Anodized Aluminum 6005-T5 &

Stainless Steel 304

Pre-assembled Part Installation

Warranties: 12 years warranties & 20 years service life





Flat Roof Mount System III (East West)





Technical Information:

- Installation Site: Flat Roof
- Module Orientation: Landscape
- Material: Aluminum 6005-T5
- Max Wind Speed: <60m/s
- Max Snow Load: <1.4 KN/M²
- \checkmark Tilt Angle: $5^{\circ} \sim 30^{\circ}$
- Warranties: 12 Years

Features & Benefits

- a) Non-Penetrating toroof
- b) Pre-assembled parts for simple and fast installation
- c) Minimize roof space limitation
- d) Fixed angle or adjustable angle both acceptable
- e) Rail-less
- f) Suitable for all orientations installation
- g) Optimize high power production

Components List



East-West Flat Roof Mount







Mid Clamp

End Clamp

Ballast Plate

Components List





Specification







Flat Roof Mount System IV (Two Row)





Features & Benefits

- a) Non-Penetrating toroof
- b) Pre-assembled parts for simple and fast installation
- c) Rail-less
- d) Hardware included
- e) Customized request can be accepted

Technical Information:

- Installation Site: Flat Roof
- Module Orientation: Landscape
- Material: Aluminum 6005-T5
- Max Wind Speed: <60 m/s
- Max Snow Load: <1.4 KN/M2
- Tilt Angle: 5° ~ 30°
- Warranties: 12 Years

Components List



Ballasted Plate



Mid Clamp

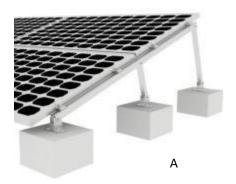


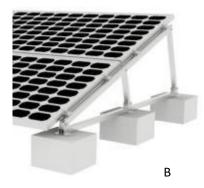
End Clamp



Pre-assembled Flat Roof Mount

Application Type



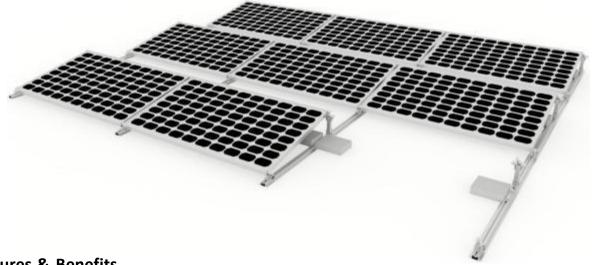


C

Flat Roof Mount System V



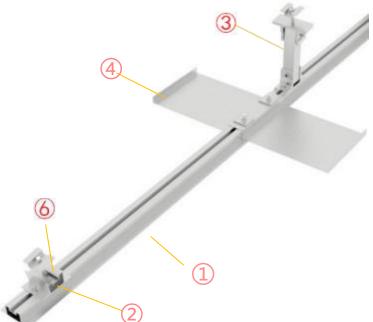
Aluminum Ballasted Flat Roof Mount



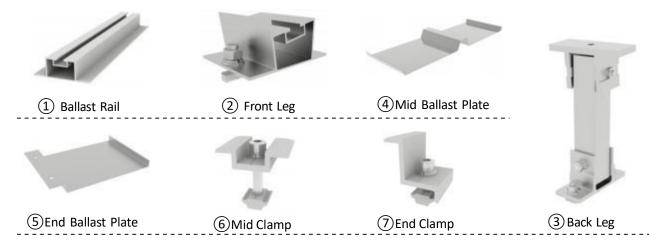
Features & Benefits

- 1. Pre-assembled parts for simple and fast installation
- 2. Non-Penetrating to rafters
- 3. Easily works around obstacles and uneven terrain
- 4. Light, sturdy material for a cost-efficient system

Specification				
Tilt Angle	5。、10。、15。			
Max Wind Speed	42m/s			
Max Snow load	1.4KN/m2			
Material AL6005-T5 &SUS 304				



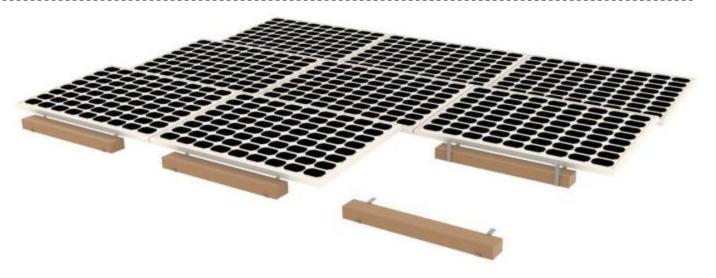
Components List



Flat Roof Mount System VI



Stainless Steel Ballasted Flat Roof Mount



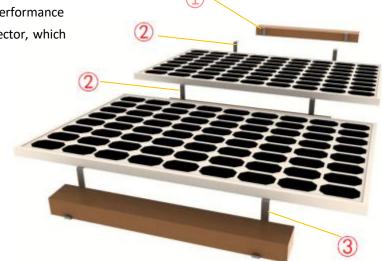
Features & Benefits

1. Few component and easy install

2. Stainless Steel 304 Material, high anti-corrosion performance

3. Using long-span cement block replace wind deflector, which has strong windproof performance and low cost.

Specification				
Tilt Angle	5。、10。			
Max Wind Speed	42m/s			
Max Snow load	1.4KN/m2			
Material	SUS304			



Components List



Flat Roof Mount System VII Galvanized Steel





Technical Information			
Tilt Angle	5。~60。		
Max Wind Speed	55 m/s		
Max Snow Load	1.4KN/m2		
Material	Galvanized Steel / ZAM (ZM)		
Warranty 12 years quality warranty			

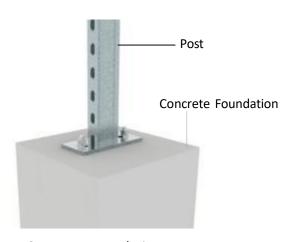
Features

- 1. Suitable for different regions, such as low-cost concretes and high wind and heavy snow regions.
- 2. Ground screw foundation and concrete foundation can be acceptable
- 3. Parts have been high pre-assembly on factory to save your installation time
- 4. Simple and fast installation
- 5. High quality galvanized steel material



Foundation Types



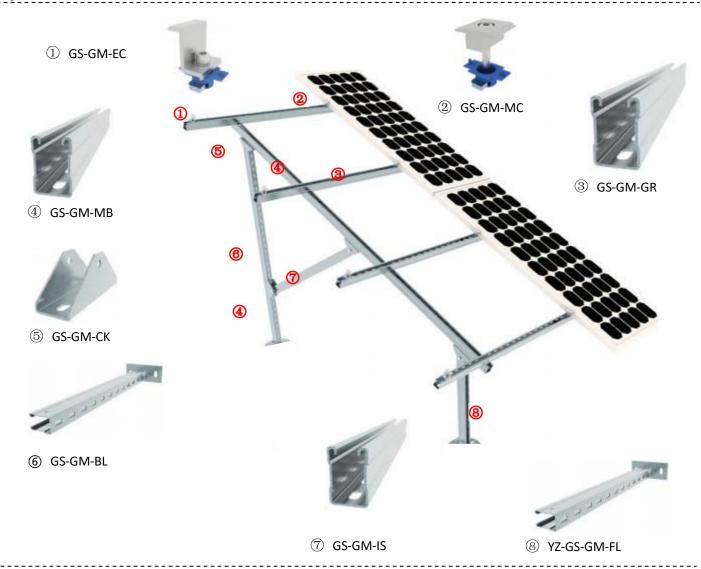


Concrete Foundation

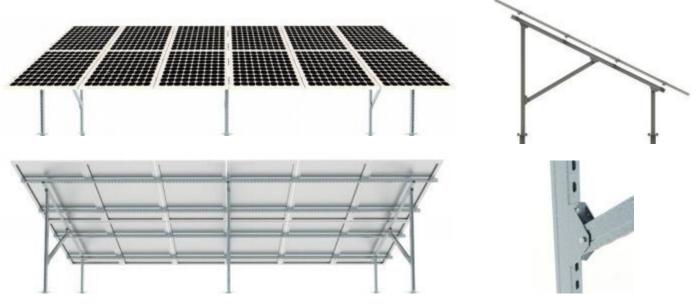
Flat Roof Mount System VII Galvanized Steel



System Overview



Side View of Galvanized Steel Mount System



Adjustable Tile Roof Mount System





Features

- 1. Adjustable tilt angle per different request
- 2. Highly pre-assembled parts on factory can save installation time onsite and labor cost
- 3. Simple and fast installation
- 4. Waterproof EPDM rubber integrated
- 5. Hardware included
- 6. Customized request can accept

Component List



1. Front Leg



Connect to rail



2. Rear Leg



Connect to rail

Technical Information

Item No.	Description	Length of Rear Leg
AD-FL	Front Leg	~
AD-RL10/15	Rear Leg, adjustable angle 10~15°	240~360mm
AD-RL15/30	Rear Leg, adjustable angle 15~30°	340~680mm
AD-RL30/60	Rear Leg, adjustable angle 30~60°	700~1200mm

Roof Components



Rail & Splice for roof

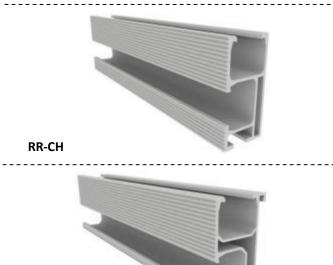
These rails are designed for all kinds of roof type. It comes with high quality, high strength and low cost.

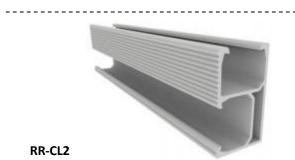
Features

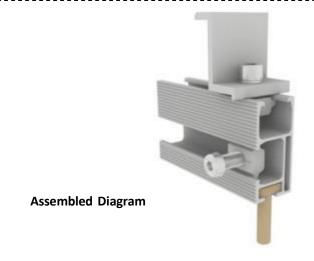
- 1. Material: Aluminum 6005-T5
- 2. Flexibility and compatible
- 3. Universal

Roof Rail Series

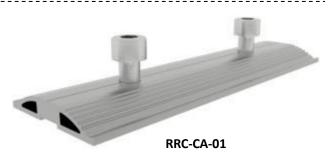
RR-CL1

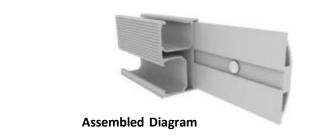






Rail Connector Series









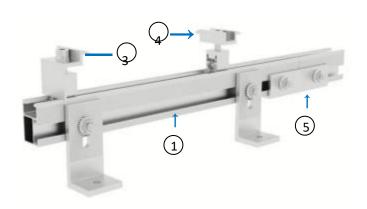
Assembled Diagram

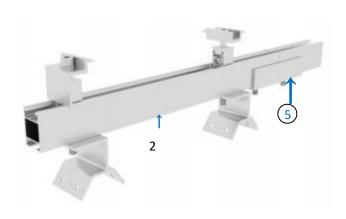
Roof Components



Clamps fixed on the side of the rail

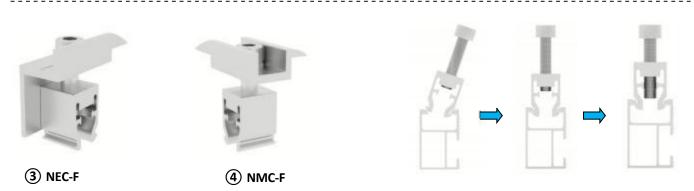
Clamps fixed on the bottom of the rail





Using T bolt to connect the rail with clamps, it is very easy to install and fix firmly.





.....







⑤ RRC-CA-03

Using Rail Connector Kit to joint Roof Rail 03#

Using Rail Connector Kit to joint roof Rail 04#

Roof Components



Mid Clamp & End Clamp

MC-C Mid Clamp30/32 /35/40/45/50 mm



EC-C End Clamp 30/32/35/40/45/50 mm



AGM-MC Mid Clamp

25/30/35/40/45/46/50 mm



AGM-EC End Clamp25/30/

35/40/45/46/50 mm



AMC-C Adjustable Mid Clamp

35mm~55 mm



AEC-B Adjustable End Clamp 35mm~55 mm



TF-MC-L80 TF-MC-L120

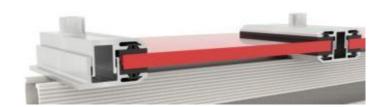
Thin Film Mid Clamp, 80 mm Thin Film Mid Clamp,120 mm



Thin Film End Clamp, 80 mm Thin Film End Clamp, 120 mm



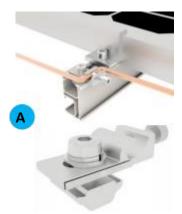


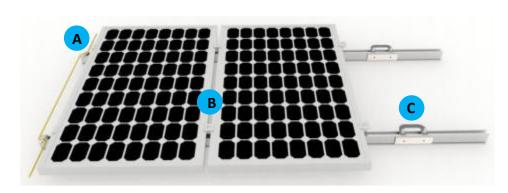


Grounding Accessories

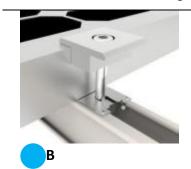


Grounding products can be used to bond solar modules to the aluminum rails and the aluminum rails to ground, so that the entire solar system is grounded and safe; Grounding products include the stainless steel grounding clip, grounding lug and braid copper wire, which are all designed to comply with the requirement of AS5033, UL467 for bonding or grounding systems.





GS-RGL Rail Ground Lug







Grounding Clip

Grounding Clip will penetrate module and rail and create an electrical path through rail.













Cable ClipElectrically connect spliced Rails



Braided Copper Wire









GS-CC-03

GS-CC-04











































