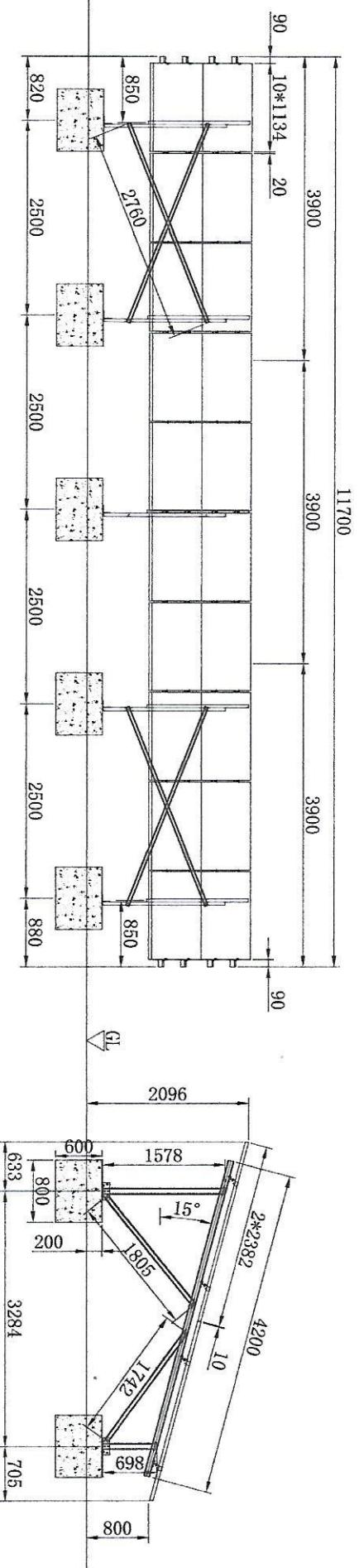


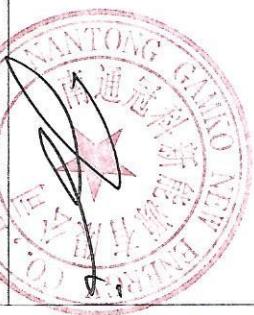
10 #B-1F, NO. 606, KAIFA AVENUE, DAGONG SCI&TECH INDUSTRIAL PARK, HAIAN COUNTY, JIANGSU, PRC.

NANTONG GAMKO NEW ENERGY CO., LTD.

2025.07.14



Project	Module Size	Wind Load			Snow Load
2025071400-0401V2	2382*1134*30 mm(15°)	180 km/h			1.4 kN/m ²
Drawn	Date	25-07-14	Scale	1:60	
Designed	Date		Unit	mm	
Checked	Date		View		



Content

GAMKO

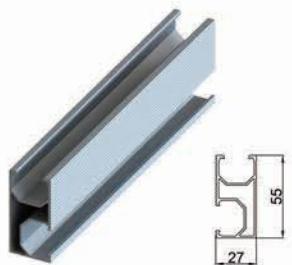
SOLAR

Factory Corner

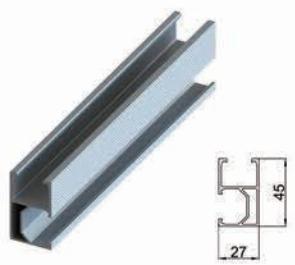


- 01-10 [Solar Structure Components](#)
- 11-12 [Pitched Tile Roof Mounting](#)
- 13-14 [Pitched Tin Roof Mounting](#)
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- 35-36 [Solar Carport](#)
- 37-38 [Ground Screw](#)
- 39-39 [Z Bracket Mounting](#)
- 40-40 [ABS Caravans Mounting](#)

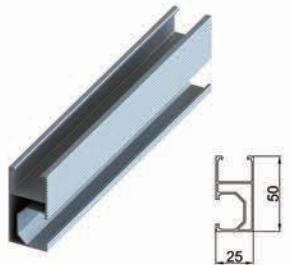
SOLAR STRUCTURE COMPONENTS



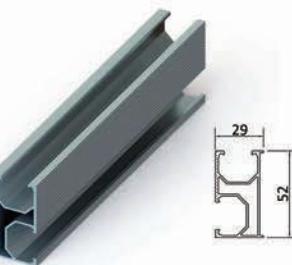
ITEM NO.	MATERIAL	LENGTH	SPEC.	SURFACE
YL-R02-2100	Al6005-T5	2100mm	27x55mm	Anodized
YL-R02-4200	Al6005-T5	4200mm	27x55mm	Anodized
YL-R02-L	Al6005-T5	Customized	27x55mm	Anodized



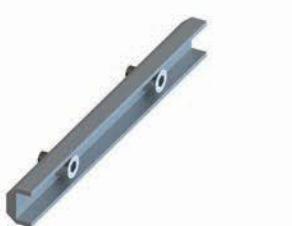
ITEM NO.	MATERIAL	LENGTH	SPEC.	SURFACE
YL-R05-2100	Al6005-T5	2100mm	27x45mm	Anodized
YL-R05-4200	Al6005-T5	4200mm	27x45mm	Anodized
YL-R05-L	Al6005-T5	Customized	27x45mm	Anodized



ITEM NO.	MATERIAL	LENGTH	SPEC.	SURFACE
YL-R06-2100	Al6005-T5	2100mm	25x50mm	Anodized
YL-R06-4200	Al6005-T5	4200mm	25x50mm	Anodized
YL-R06-L	Al6005-T5	Customized	25x50mm	Anodized



ITEM NO.	MATERIAL	LENGTH	SPEC.	SURFACE
YL-R11-2100	Al6005-T5	2100mm	29x52mm	Anodized
YL-R11-4200	Al6005-T5	4200mm	29x52mm	Anodized
YL-R11-L	Al6005-T5	Customized	29x52mm	Anodized



ITEM NO.	MATERIAL	LENGTH	SPEC.	SURFACE
YL-R02-S	Al6005-T5	200mm	Rail Splice	Anodized

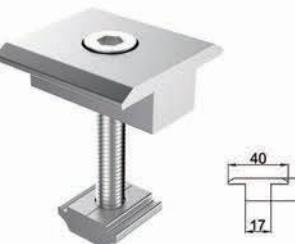
*This rail splice are suitable for all the roof rails of YANGLIN.



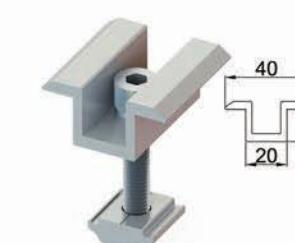
ITEM NO.	MATERIAL	LENGTH	SPEC.	SURFACE
YL-R02-SPK	Al6005-T5	150mm	Rail Splice	Anodized

*This rail splice are suitable for all the roof rails of YANGLIN.

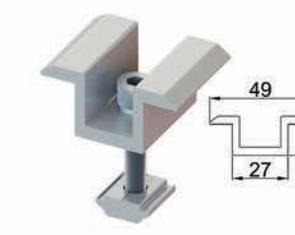
SOLAR STRUCTURE COMPONENTS



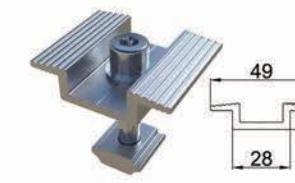
ITEM NO.	MATERIAL	LENGTH	SPEC.	SURFACE
YL-IC-35	Al6005-T5	L40mm	For 35mm panel	Anodized
YL-IC-40	Al6005-T5	L40mm	For 40mm panel	Anodized
YL-IC-45	Al6005-T5	L40mm	For 45mm panel	Anodized
YL-IC-50	Al6005-T5	L40mm	For 50mm panel	Anodized



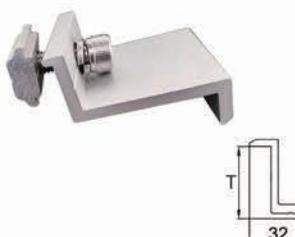
ITEM NO.	MATERIAL	LENGTH	SPEC.	SURFACE
YL-MC20-35	Al6005-T5	L40mm	For 35mm panel	Anodized
YL-MC20-40	Al6005-T5	L40mm	For 40mm panel	Anodized
YL-MC20-45	Al6005-T5	L40mm	For 45mm panel	Anodized
YL-MC20-50	Al6005-T5	L40mm	For 50mm panel	Anodized



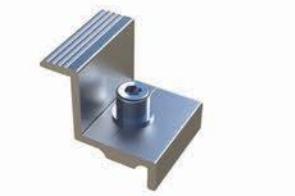
ITEM NO.	MATERIAL	LENGTH	SPEC.	SURFACE
YL-MC27-35	Al6005-T5	L40mm	For 35mm panel	Anodized
YL-MC27-40	Al6005-T5	L40mm	For 40mm panel	Anodized
YL-MC27-45	Al6005-T5	L40mm	For 45mm panel	Anodized
YL-MC27-50	Al6005-T5	L40mm	For 50mm panel	Anodized



ITEM NO.	MATERIAL	LENGTH	SPEC.	SURFACE
YL-MC-35	Al6005-T5	L40mm	For 35mm panel	Anodized
YL-MC-40	Al6005-T5	L40mm	For 40mm panel	Anodized
YL-MC-45	Al6005-T5	L40mm	For 45mm panel	Anodized
YL-MC-50	Al6005-T5	L40mm	For 50mm panel	Anodized



ITEM NO.	MATERIAL	LENGTH	SPEC.	SURFACE
YL-SC-35	Al6005-T5	L40mm	For 35mm panel	Anodized
YL-SC-40	Al6005-T5	L40mm	For 40mm panel	Anodized
YL-SC-45	Al6005-T5	L40mm	For 45mm panel	Anodized
YL-SC-50	Al6005-T5	L40mm	For 50mm panel	Anodized



ITEM NO.	MATERIAL	LENGTH	SPEC.	SURFACE
YL-EC-35	Al6005-T5	L40mm	For 35mm panel	Anodized
YL-EC-40	Al6005-T5	L40mm	For 40mm panel	Anodized
YL-EC-45	Al6005-T5	L40mm	For 45mm panel	Anodized
YL-EC-50	Al6005-T5	L40mm	For 50mm panel	Anodized

SOLAR STRUCTURE COMPONENTS



ITEM NO.	MATERIAL	LENGTH	SPEC.	SURFACE
YL-TF-MC-80	Al6005-T5	L80mm	5.5-9mm panel	Anodized
YL-TF-MC-150	Al6005-T5	L150mm	5.5-9mm panel	Anodized



ITEM NO.	MATERIAL	LENGTH	SPEC.	SURFACE
YL-TF-EC-80	Al6005-T5	L80mm	5.5-9mm panel	Anodized
YL-TF-EC-150	Al6005-T5	L150mm	5.5-9mm panel	Anodized



ITEM NO.	MATERIAL	BASE	SPEC.	SURFACE
YL-RH-CT1#	SUS304	180x50mm	Fixed	Shot Blasting



ITEM NO.	MATERIAL	BASE	SPEC.	SURFACE
YL-RH-CT1#A	SUS304	180x50mm	Adjustable	Shot Blasting



ITEM NO.	MATERIAL	BASE	SPEC.	SURFACE
YL-RH-CT2#	SUS304	/	Fixed	Shot Blasting



ITEM NO.	MATERIAL	BASE	SPEC.	SURFACE
YL-RH-CT3#	SUS304	180x50mm	Fixed	Shot Blasting

SOLAR STRUCTURE COMPONENTS



ITEM NO.	MATERIAL	BASE	SPEC.	SURFACE
YL-RH-CT5#	SUS304	180x50mm	Adjustable	Shot Blasting



ITEM NO.	MATERIAL	BASE	SPEC.	SURFACE
YL-RH-CT7#	SUS304	180x50mm	Fixed	Shot Blasting



ITEM NO.	MATERIAL	LENGTH	SPEC.	SURFACE
YL-RH-FT1#	SUS304	286mm	Fixed	Shot Blasting



ITEM NO.	MATERIAL	LENGTH	SPEC.	SURFACE
YL-RH-FT2#	SUS304	286mm	Fixed	Shot Blasting



ITEM NO.	MATERIAL	BASE	SPEC.	SURFACE
YL-RH-FT4#	SUS304	140x50mm	Fixed	Shot Blasting



ITEM NO.	MATERIAL	BASE	SPEC.	SURFACE
YL-RH-FT5#	SUS304	140x50mm	Double Adjustable	Shot Blasting

SOLAR STRUCTURE COMPONENTS



ITEM NO.	MATERIAL	LENGTH	SPEC.	SURFACE
YL-RH-ST1#	SUS304	200mm	Fixed	Shot Blasting



ITEM NO.	MATERIAL	LENGTH	SPEC.	SURFACE
YL-RH-ST2#	SUS304	200mm	Fixed	Shot Blasting



ITEM NO.	MATERIAL	LENGTH	SPEC.	SURFACE
YL-RH-ST3#	SUS304	160/200mm	Adjustable	Shot Blasting



ITEM NO.	MATERIAL	LENGTH	ROOF TYPE	SURFACE
YL-TH-1#	SUS304	100mm	Trapezoid	Shot Blasting



ITEM NO.	MATERIAL	LENGTH	ROOF TYPE	SURFACE
YL-TH-2#	SUS304	100mm	Trapezoid	Shot Blasting



ITEM NO.	MATERIAL	LENGTH	SPEC.	SURFACE
YL-TH-L-SS	SUS304	40x40x85mm	Trapezoid	Shot Blasting



ITEM NO.	MATERIAL	LENGTH	SPEC.	SURFACE
YL-TH-L-A	Al6005-T5	L40mm	H80mm	Anodized

*M6.3x80mm screw alternative
① steel drilling screw for steel purlin, material SUS410; ② self tapping screw for wood purlin, material: Fe

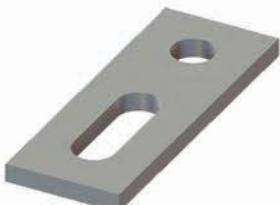


ITEM NO.	MATERIAL	LENGTH	SPEC.	SURFACE
YL-TH-L-B	Al6005-T5	L40mm	H80mm	Anodized

*M6.3x80mm screw alternative
① steel drilling screw for steel purlin, material SUS410; ② self tapping screw for wood purlin, material: Fe



ITEM NO.	MATERIAL	LENGTH	SPEC.	SURFACE
YL-M10x200	SUS304	200mm	M10	Clean
YL-M10x250	SUS304	250mm	M10	Clean
YL-M10x300	SUS304	300mm	M10	Clean



ITEM NO.	MATERIAL	LENGTH	THICKNESS	SURFACE
YL-SF-01	SUS304	80x30mm	4.75mm	Shot Blasting
YL-SF-02	SUS304	125x30mm	4.75mm	Shot Blasting



ITEM NO.	MATERIAL	LENGTH	SPEC.	SURFACE
YL-TCB-03	Al6005-T5	L50mm	Seam	Anodized



ITEM NO.	MATERIAL	LENGTH	SPEC.	SURFACE
YL-TCB-05	Al6005-T5	L50mm	760/820	Anodized

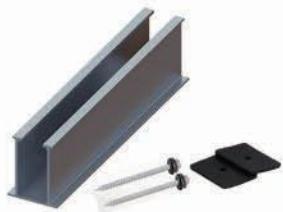
SOLAR STRUCTURE COMPONENTS



ITEM NO.	MATERIAL	LENGTH	ROOF TYPE	SURFACE
YL-TCB-06	SUS304	110mm	Stand Seam	Shot Blasting



ITEM NO.	MATERIAL	LENGTH	ROOF TYPE	SURFACE
YL-TCB-10	Al6005-T5	120mm	Trapezoid	Anodized



ITEM NO.	MATERIAL	LENGTH	ROOF TYPE	SURFACE
YL-TCB-14	Al6005-T5	160/200/300mm	Trapezoid	Anodized



ITEM NO.	MATERIAL	LENGTH	ROOF TYPE	SURFACE
YL-TCB-12	Al6005-T5	50mm	Klip Lok 406	Anodized



ITEM NO.	MATERIAL	LENGTH	ROOF TYPE	SURFACE
YL-TCB-13	Al6005-T5	50mm	Klip Lok 700	Anodized



ITEM NO.	MATERIAL	LENGTH	ROOF TYPE	SURFACE
YL-KLK-700	Al6005-T5	100mm	Klip Lok 700	Anodized

SOLAR STRUCTURE COMPONENTS



ITEM NO.	MATERIAL	LENGTH	SPEC.	SURFACE
YL-AFL	Al6005-T5	L40mm	/	Anodized



ITEM NO.	MATERIAL	ADJUSTABLE	SPEC.	SURFACE
YL-ARL-15	Al6005-T5	10-15°	/	Anodized
YL-ARL-30	Al6005-T5	15-30°	/	Anodized
YL-ARL-60	Al6005-T5	30-60°	/	Anodized



ITEM NO.	MATERIAL	LENGTH	SPEC.	SURFACE
YL-GC-01	SUS304	30X32mm	For Roof Rail	Clean



ITEM NO.	MATERIAL	LENGTH	WEIGHT	SURFACE
YL-GL-01	Al6005-T5	L20mm	40g	Anodized



ITEM NO.	MATERIAL	LENGTH	WEIGHT	SURFACE
YL-CKS-01	AL+Cu	200mm	72g	/



ITEM NO.	MATERIAL	SIZE	SPEC.	SURFACE
YL-CC-01	SUS304	10x19mm	For 1-2 wires	Clean

SOLAR STRUCTURE COMPONENTS



ITEM NO.	MATERIAL	SIZE	SPEC.	SURFACE
YL-CC-02	SUS304	10x23mm	For 1-2 wires	Clean



ITEM NO.	MATERIAL	SIZE	SPEC.	SURFACE
YL-CC-03	SUS304	18x21mm	For 1-2 wires	Clean



ITEM NO.	MATERIAL	SIZE	SPEC.	SURFACE
YL-CC-04	SUS304	18x32mm	For 3-4 wires	Clean



ITEM NO.	MATERIAL	SIZE	COLOR	SURFACE
YL-FK-03	Aluminum	12" x 8"	Black / Silver	Anodized



ITEM NO.	MATERIAL	SIZE	COLOR	SURFACE
YL-FK-04	Aluminum	14" x 9"	Black / Silver	Anodized



ITEM NO.	MATERIAL	SIZE	WEIGHT	SURFACE
YL-ZB-01	Aluminum	50.5x62x30mm	23g	Anodized



ITEM NO.	MATERIAL	SIZE	WEIGHT	SURFACE
YL-ZB-02	Aluminum	64x63x43mm	49g	Anodized



ITEM NO.	MATERIAL	SIZE	WEIGHT	SURFACE
YL-ZB-03	Aluminum	100x65x42mm	42g	Anodized



ITEM NO.	MATERIAL	SIZE	WEIGHT	SURFACE
YL-ZB-04	Aluminum	100x62x29mm	43g	Anodized



ITEM NO.	MATERIAL	COLOR	SIZE/mm	FOR PANEL
YL-ATT-22	Aluminum	Nature	556*556*290	≤100W
YL-ATT-28	Aluminum	Nature	712*712*375	≤150W
YL-ATT-41	Aluminum	Nature	1040*1040*545	250-300W



ITEM NO.	MATERIAL	COLOR	SPEC.	SURFACE
YL-ABS-5P	ABS	White / Black	For 1pc panel	/

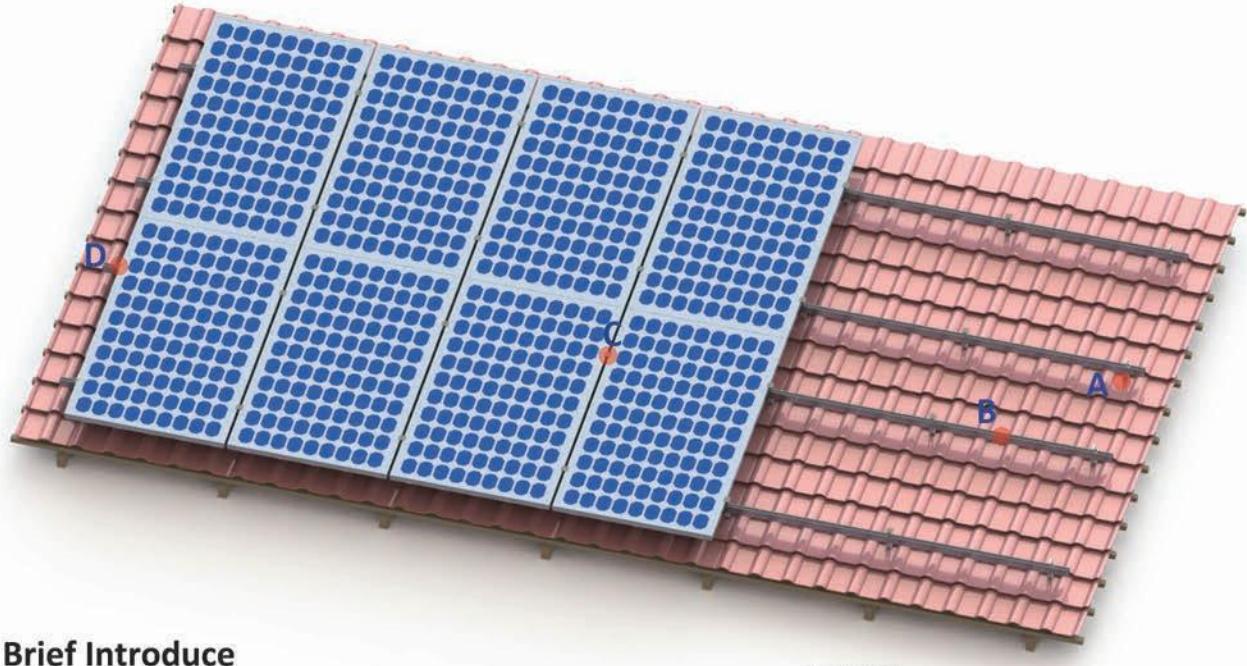


ITEM NO.	MATERIAL	COLOR	SPEC.	SURFACE
YL-ABS-7P	ABS	White / Black	For 1-2pcs panel	/

Pitched Tile Roof Mounting

Yanglin Pitched Tile Roof Mounting is suitable for installing framed or frameless modules flushed to pitch roof.

Special design and pre-assembled clamp make installation easy.



YL-RM-P

Brief Introduce

Light Weight, Convenient and Durable.

Install Site: Pitch Tile Roof

Max Building Height: Up to 20m(≈65ft).

Max Wind Speed: **60 m/s**

Snow Load: **1.4 KN/m²**

Material: Aluminum 6005-T5 & Stainless Steel 304

Warranty: **10** years warranty; **25** years service life.

Installation Guide



Step 1: Remove tile and fix tile hook on beam by M6.3 x 80mm wood screw.

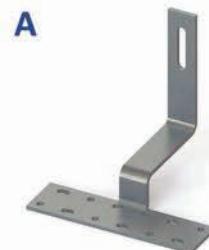


Step 2: Fix solar rail on tile hook and lock tightly by M8x25mm T module set.



Step 3: Put solar panel on rail and fix with inter clamp or end clamp until finished.

Components



YL-RH-CT1#
Tile Hook, with 3pcs M6.3x80
mm screw + 1 T module set.



YL-R02
Extruded Al6005-T5 Rail Profile
To support solar panel.



YL-R02-S
Rail Splice, Al6005 & SUS304
To extend rail length.

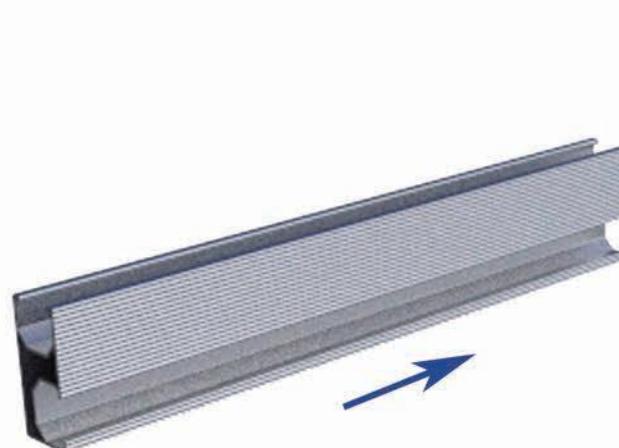


YL-IC-40
Mid Clamp, Al6005 & SUS304
To fix framed panel on rail.

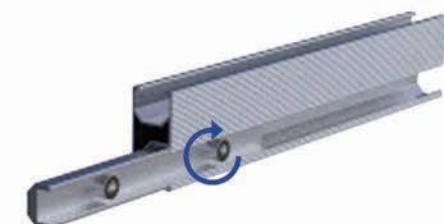


YL-SC-40
End Clamp, Al6005 & SUS304
To fix framed panel on rail.

You may need rail jointer if rail is not long enough.



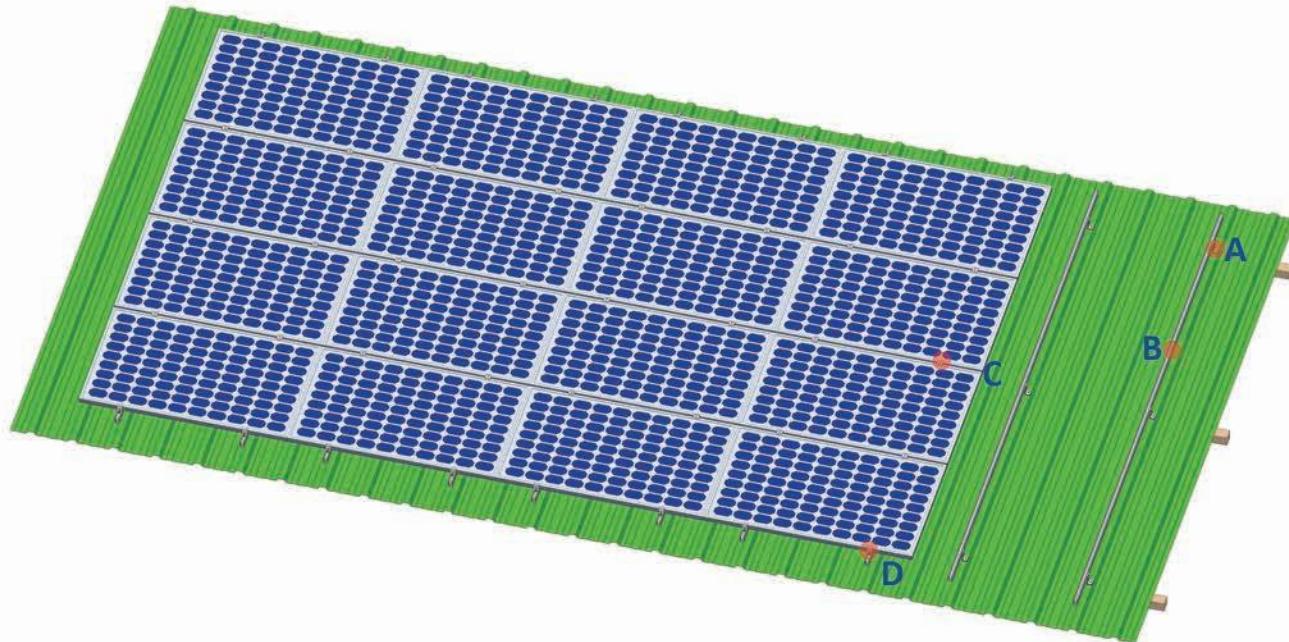
Step 1: Insert splice into rail.



Step2: Locking bolt tightly.

Pitched Tin Roof Mounting

Yanglin Pitched Tin Roof Mounting is made by high quality extruded Aluminum, the weight is light and it's convenient. It's easy to install and can work for any solar modules.



Brief Introduce

Install Site: Pitch Tin Roof

Max Building Height: Up to 20m(≈65ft).

Max Wind Speed: **60 m/s**

Snow Load: **1.4 KN/m²**

Material: Aluminum 6005-T5

Warranty: **10** years warranty; **25** years service life.

YL-RM-T

Pitched Tin Roof Mounting

Components



YL-TH-L-B
L Foot, with 1pc M6.3x80mm screw.



YL-R02
Extruded Al6005-T5 Rail Profile
To support solar panel.



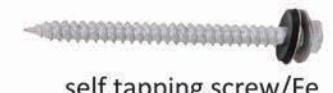
YL-R02-S
Rail Splice, Al6005 & SUS304
To extend rail length.



YL-IC-40
Mid Clamp, Al6005 & SUS304
To fix framed panel on rail.



YL-SC-40
End Clamp, Al6005 & SUS304
To fix framed panel on rail.

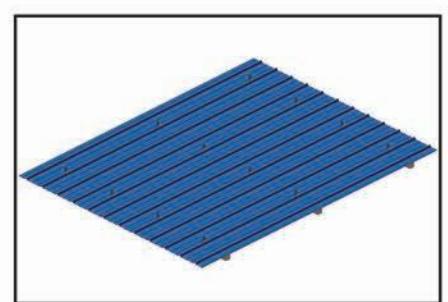


self tapping screw/Fe

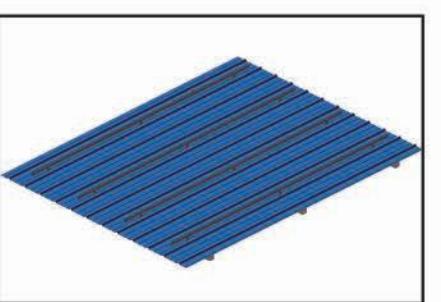


self drilling screw/SUS410

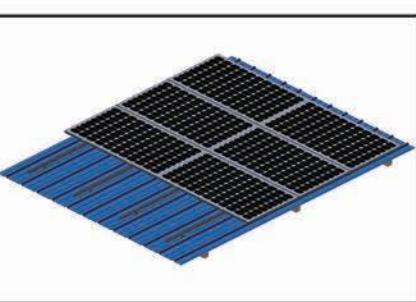
Installation Guide



Step 1: Install L foot on tin roofing.

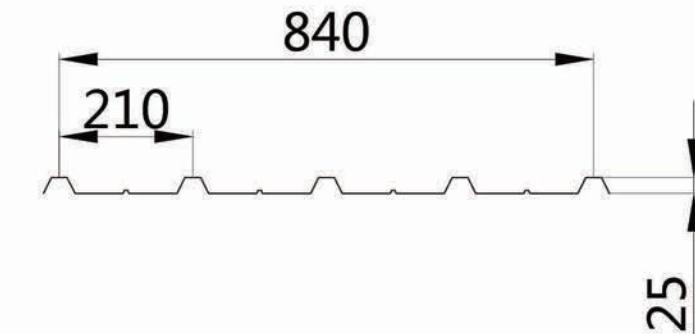


Step 2: Fix solar rail on L foot and lock by T modules set.



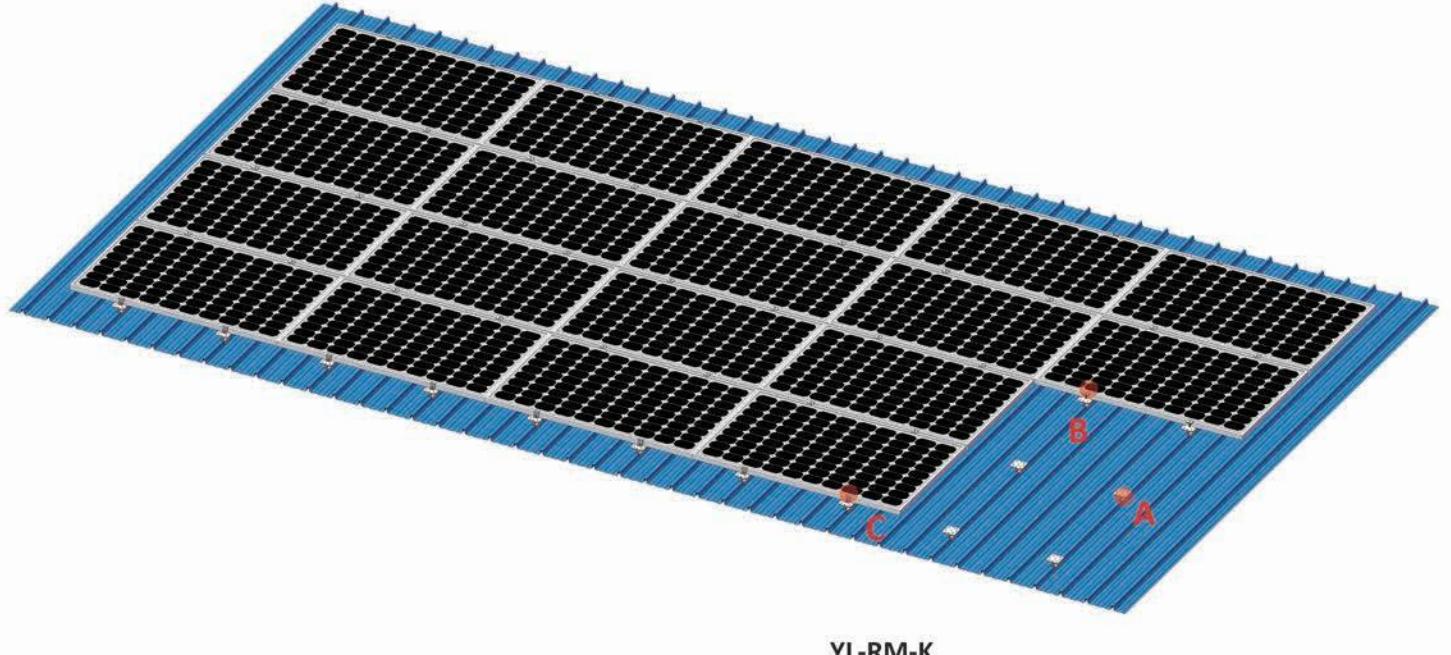
Step 3: Put solar panel on rail and fix with solar clamp.

Application Roof-Trapezoid Roof



Standing Seam Roof Mounting

Yanglin Klip Lok Standing Seam Roof Mounting is 100% no damage roof and is flexible for commercial and residential areas. Do not need rail to make installation easy and lower cost.



Brief Introduce

Install Site: Klip Lok 700 Roof

Max Building Height: Up to 20m(≈65ft).

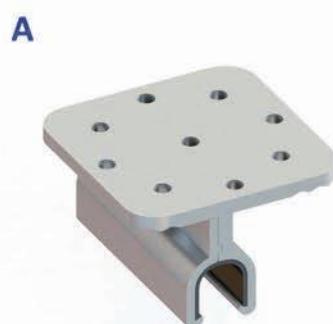
Max Wind Speed: **60 m/s**

Snow Load: **1.4 KN/m²**

Material: Aluminum 6005-T5

Warranty: **10 years warranty; 25 years service life.**

Components



YL-KLK-700
Railless Clamp Hook
Aluminum 6005-T5 & SUS410



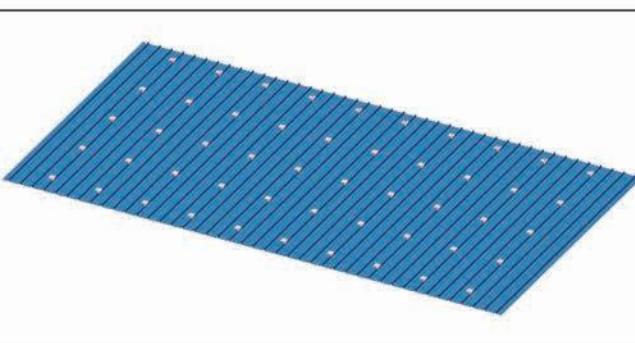
YL-IC-40
Mid Clamp without Alu nut.
Aluminum 6005-T5 & SUS304



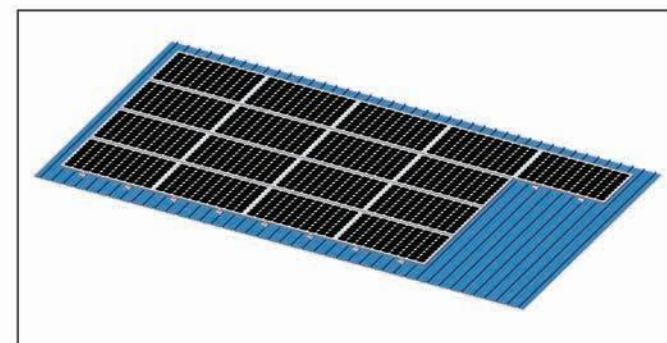
YL-SC-40
End Clamp without Alu nut.
Aluminum 6005-T5 & SUS304

Standing Seam Roof Mounting

Installation Guide

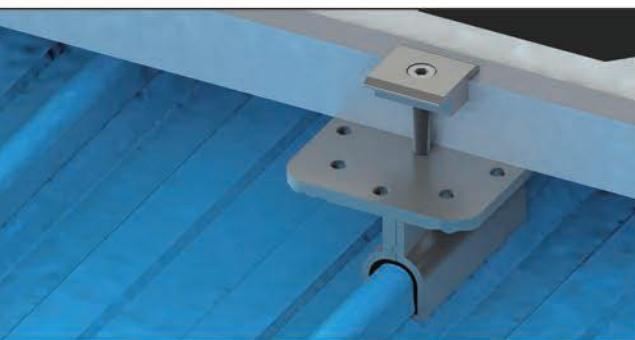


Step 1: Fix YL-KLK-700 hook on KLIP LOK 700 steel roofing as per technical drawing.



Step 2: Fix solar panel on clamp hook one by one until finished

Detail

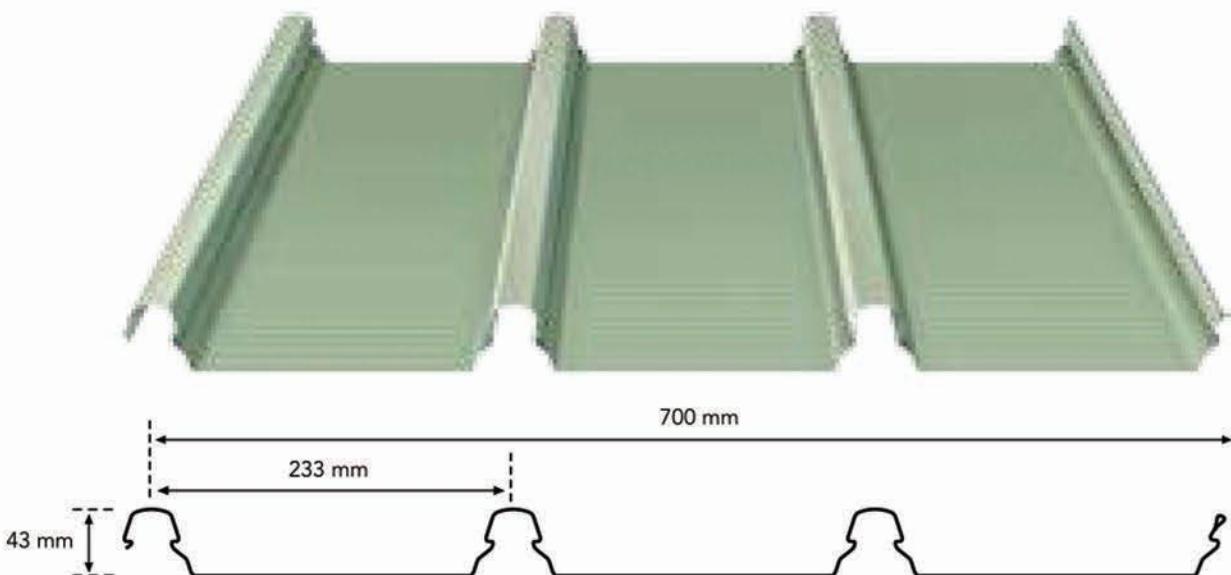


Mid Clamp



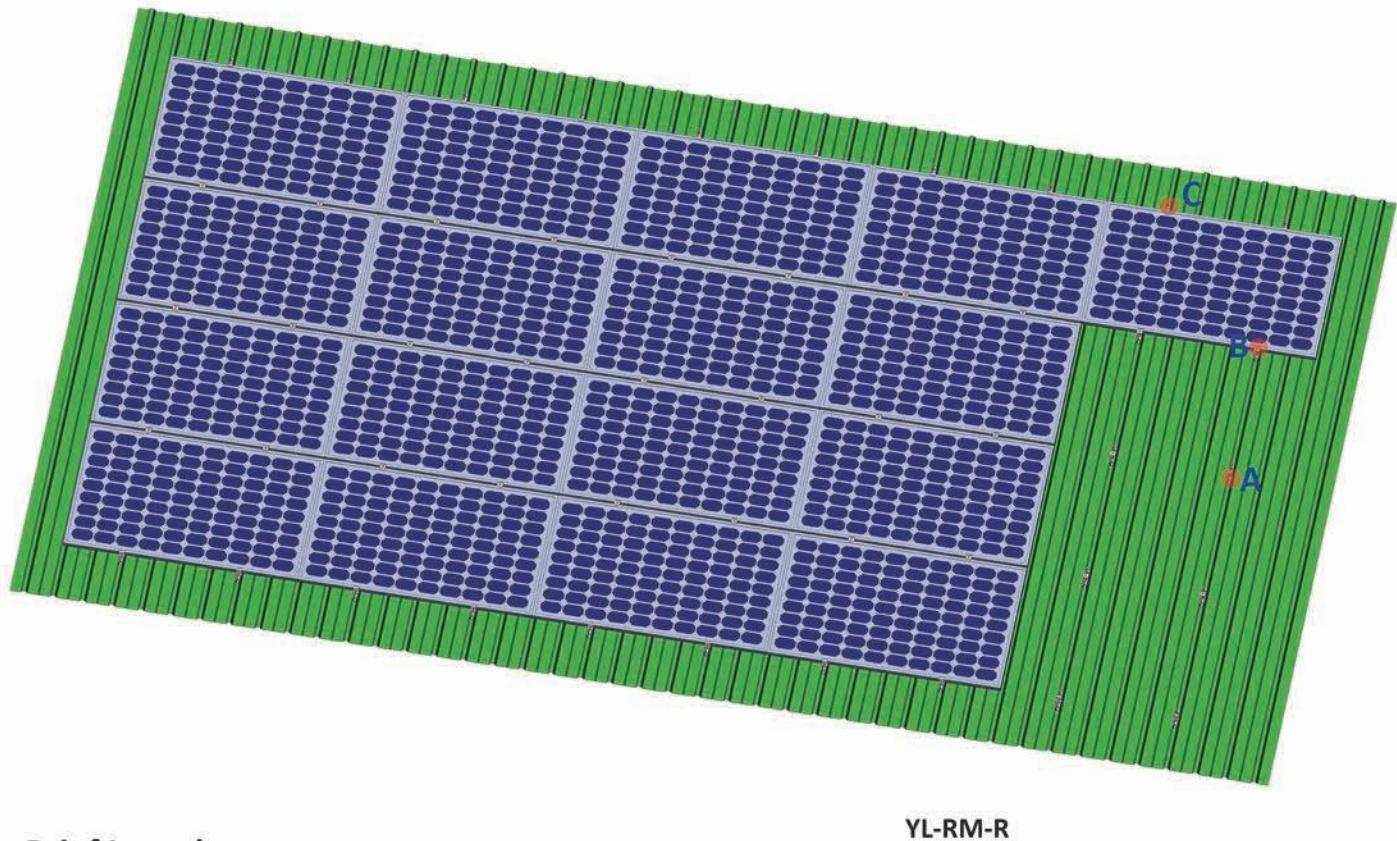
End Clamp

Application Roof-Klip Lok 700 Steel Roof



Railless Roof Mounting

Yanglin Railless Roof Mounting is designed for trapezoid steel roofing sheet. It can be fixed on roof directly without Alu rail, the installation is easy and convenient.



Brief Introduce

Install Site: Trapezoid tin roof

Require: "a" should $\geq 20\text{mm}$

Max Building Height: Up to 20m($\approx 65\text{ft}$).

Material: Aluminum 6005-T5

Warranty: **10** years warranty; **25** years service life.

Components



YL-TCB-10
Railless Clamp Hook
Aluminum 6005-T5 & SUS410



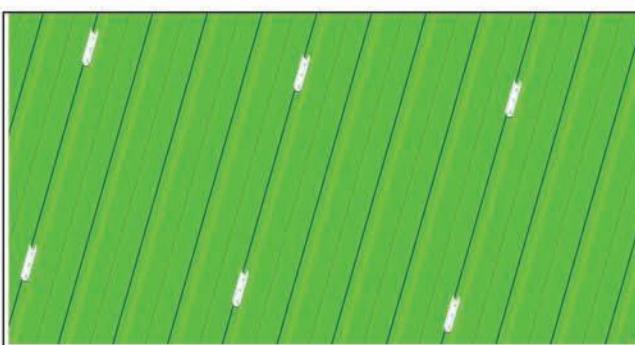
YL-IC-40
Mid Clamp
Aluminum 6005-T5 & SUS304



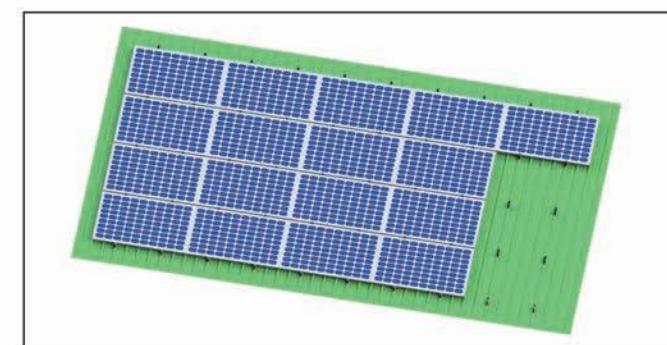
YL-SC-40
End Clamp
Aluminum 6005-T5 & SUS304

Railless Roof Mounting

Installation Guide

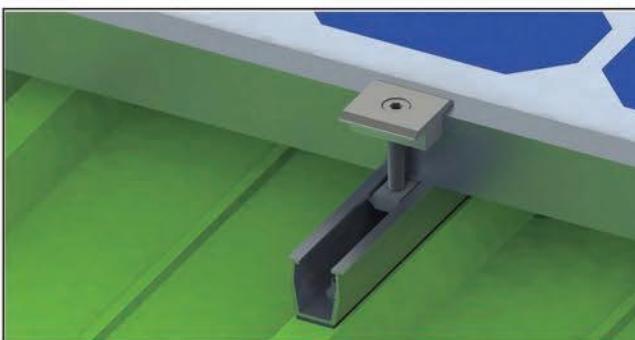


Step 1: Install railless clamp hook on roofing as per technical drawing

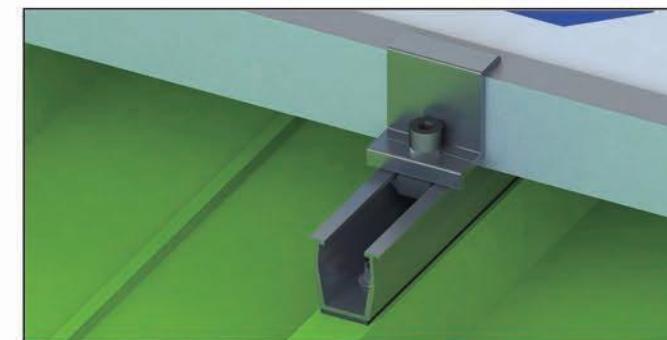


Step 2: Fix solar panel on railless clamp hook until finished

Detail



Mid Clamp

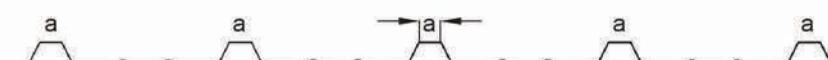


End Clamp

Application Roof-Trapezoid Roof

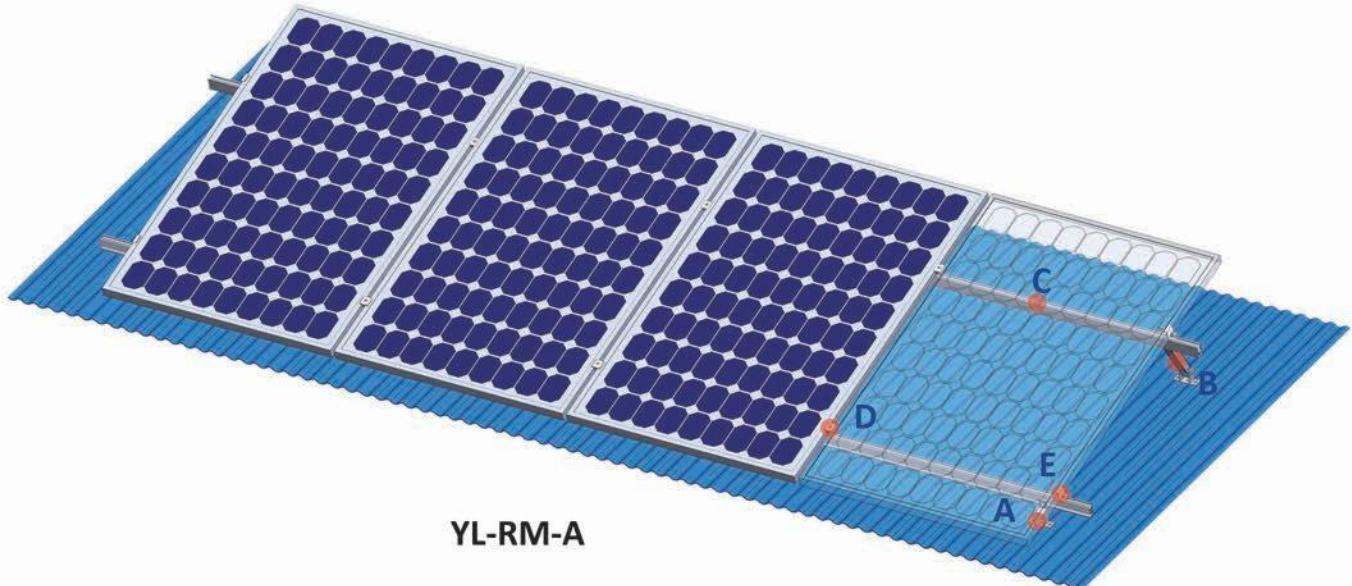


$a > 20\text{mm}$



Adjustable Tin Roof Mounting

Yanglin Adjustable Tin Roof Mounting is designed to meet the adjustable tilt angle requirement, tilt angle adjustable make solar mounting system get the best efficiency on each season.



Brief Introduce

Adjustable Angle: **10-15degree, 15-30degree, 30-60degree.**

Install Site: Tin Roof

Max Building Height: Up to 20m(≈65ft).

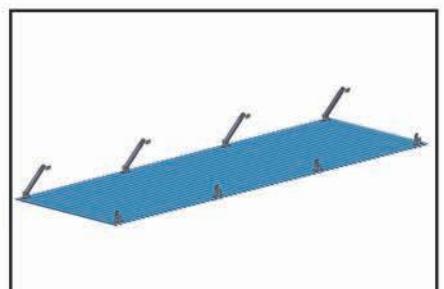
Max Wind Speed: **60 m/s**

Snow Load: **1.4 KN/m²**

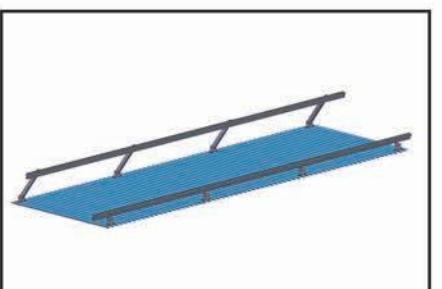
Material: Aluminum 6005-T5 & Stainless Steel 304

Warranty: **10** years warranty; **25** years service life.

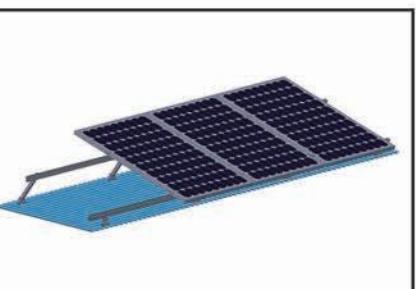
Installation Guide



Step 1: Fix adjustable front leg and rear leg on steel roofing.



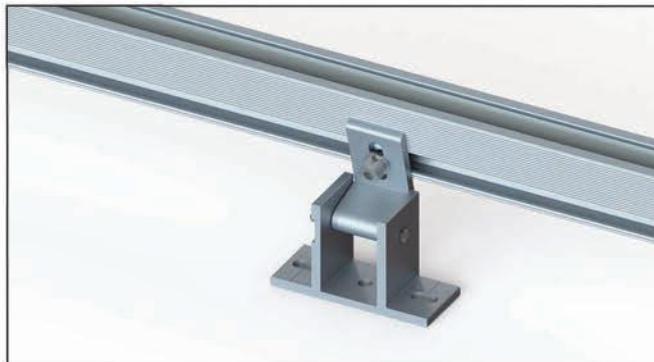
Step 2: Fix solar rail on adjustable front leg and rear leg.



Step 3: Put solar panel on rail and fix with solar clamp until finished.

Adjustable Tin Roof Mounting

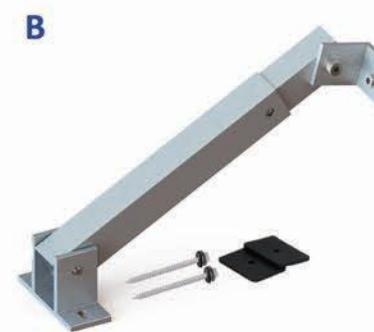
Detail of Adjustable leg



Components



YL-AFL
Adjustable Front Leg
Al6005-T5



YL-ARL
Adjustable Rear Leg
Al6005-T5, 10-15°, 15-30°, 30-60°



YL-R02
Extruded Al6005-T5 Rail Profile
To support solar panel.



YL-R02-S
Rail Splice
Al6005 & SUS304



YL-IC-40
Mid Clamp
Al6005 & SUS304



YL-SC-40
End Clamp
Al6005 & SUS304

Flat Concrete Roof Mounting

Yanglin Tripod Mounting is suitable for installing framed or frameless modules.

Tripod bracket can be designed to be adjustable or fixed mounting system to meet every client's requirements.



Brief Introduce

Light Weight, Convenient and Durable.

Install Site: Flat Concrete Roof or Open Filed

Adjustable Tilt Angle: Customized

Max Building Height: Up to 20m(≈65ft).

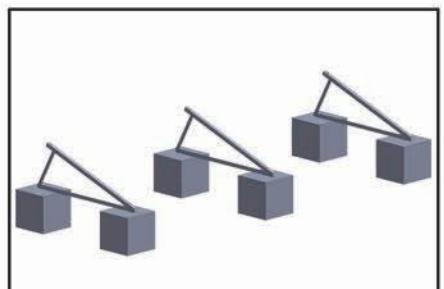
Max Wind Speed: **60** m/s

Snow Load: **1.4** KN/m²

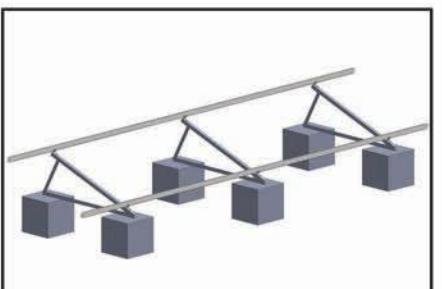
Material: Aluminum 6005-T5 & Stainless Steel 304

Warranty: **10** years warranty; **25** years service life.

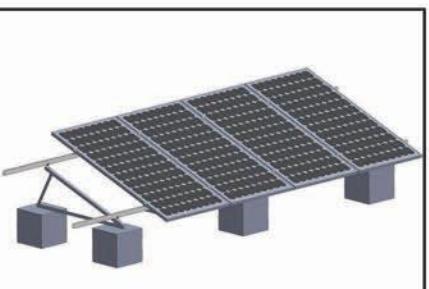
Installation Guide



Step 1: Fix tripod bracket on concrete block or flat roof.



Step 2: Fix solar rail on tripod bracket and lock by rail clamp.



Step 3: Put solar panel on rail and fix with solar clamp until finished.

Components



YL-BTR
Ballast Tripod Bracket
Al6005-T5 & SUS304



YL-FTR
L Bar Tripod Bracket
Al6005-T5 & SUS304



YL-R02
Extruded Rail Profile
Al6005-T5-T5



YL-BR-03
Rail Clamp
Al6005-T5 & SUS304



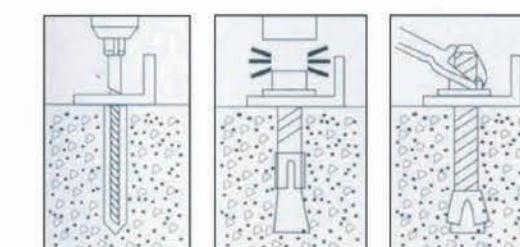
YL-IC-40
Mid Clamp
Al6005-T5 & SUS304



YL-SC-40
End Clamp
Al6005-T5 & SUS304

Bolt solution for tripod bracket.

Solution 1: by expansion bolt



Solution 2: by ground anchor



Flat Roof East-West Mounting

Yanglin East-West mounting system is a exclusive design, the vast majority of systems are "south/north-facing", which means they are oriented south/north.

Compare with traditional system, east-west don't require significant "dead space" when install, so it can install more solar panel in the same area, and higher energy production output.



YL-RM-D

Brief Introduce

Light Weight, Convenient and Durable.

Install Site: Flat Concrete Roof or Open Filed

Adjustable Angle: **5°-20°**

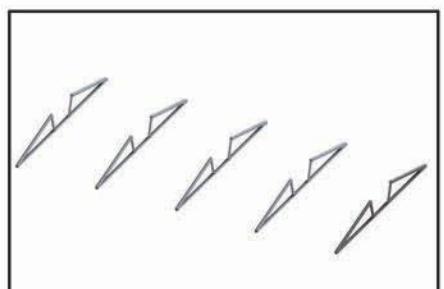
Max Wind Speed: **60 m/s**

Snow Load: **1.4 KN/m²**

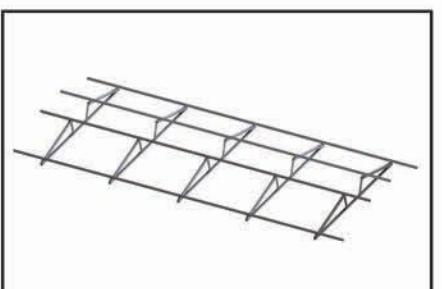
Material: Aluminum 6005-T5 & Stainless Steel 304

Warranty: **10 years warranty; 25 years service life.**

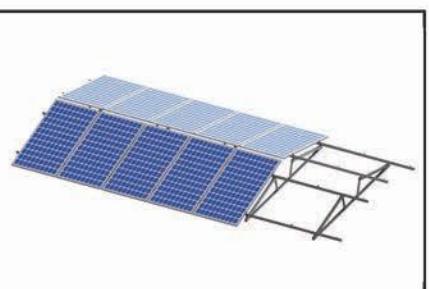
Installation Guide



Step 1: Fix tripod bracket on concrete block or flat roof.



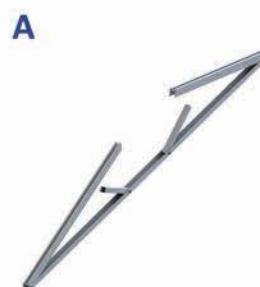
Step 2: Fix solar rail on tripod bracket and lock by rail clamp.



Step 3: Put solar panel on rail and fix with solar clamp until finished.

Flat Roof East-West Mounting

Components



YL-DBTR
Tripod Bracket
Al6005-T5 & SUS304



Pre-assembled
when delivery.



YL-R02
Extruded Rail Profile
Al6005-T5-T5



YL-BR-03
Rail Clamp
Al6005-T5 & SUS304



YL-IC-40
Mid Clamp
Al6005-T5 & SUS304



YL-SC-40
End Clamp
Al6005-T5 & SUS304

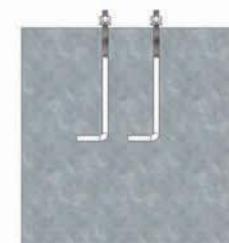
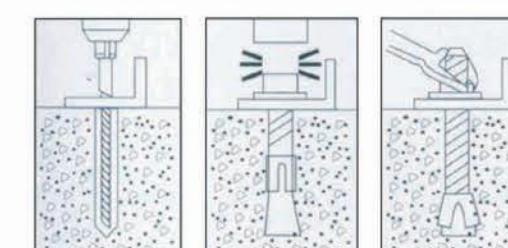
Bolt solution for tripod bracket.

Solution 1: by expansion bolt



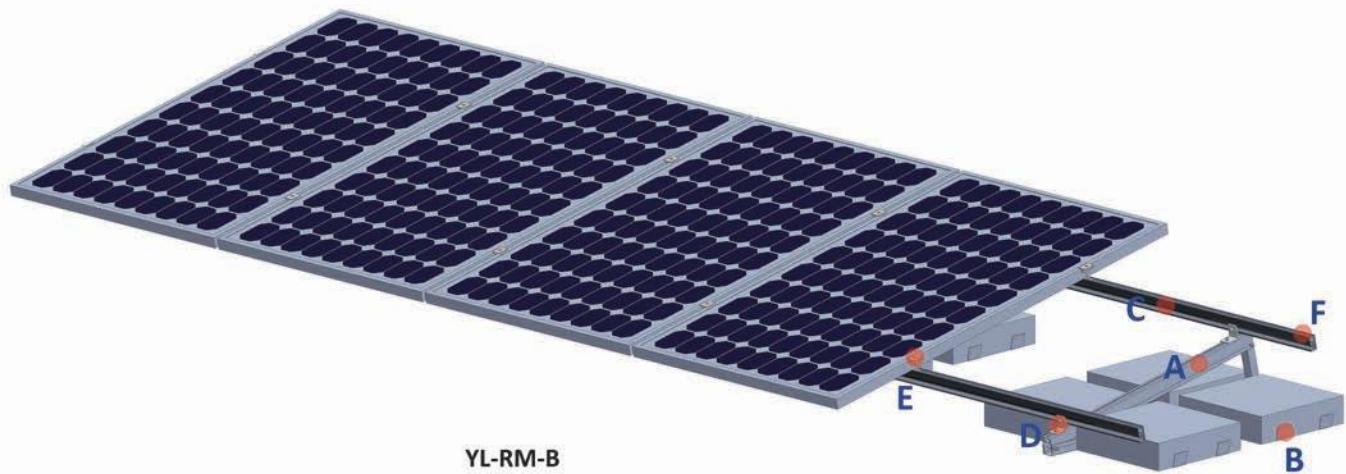
Solution 2: by ground anchor

Solution 2: by ground anchor



Ballasted Mounting System

Yanglin Ballasted Mounting System is very easy to install without any risk of roof failure. It can be used to install framed or frameless solar modules. Yanglin mounting system bracket has been made PV projects of flat roofs more durable, economical and reliable.



Brief Introduce

Light Weight, Convenient and Durable.

Install Site: Flat Concrete Roof or Open Filed

Max Building Height: Up to 20m(≈65ft).

Max Wind Speed: **60 m/s**

Snow Load: **1.4 KN/m²**

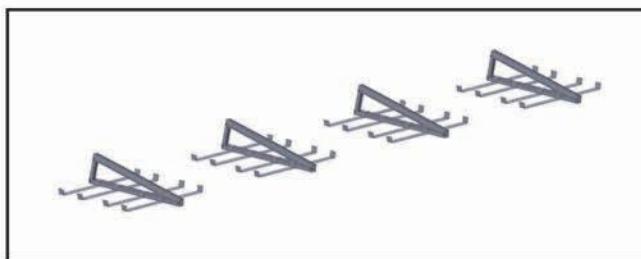
Material: Aluminum 6005-T5 & Stainless Steel 304

Warranty: **10** years warranty; **25** years service life.

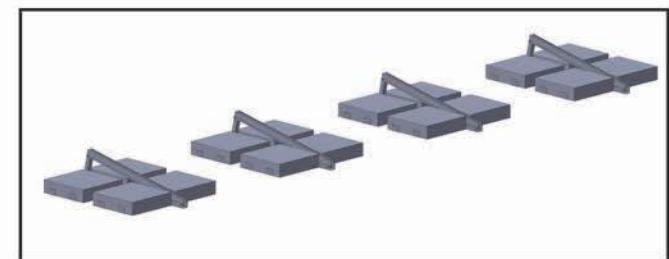


Ballasted Mounting System

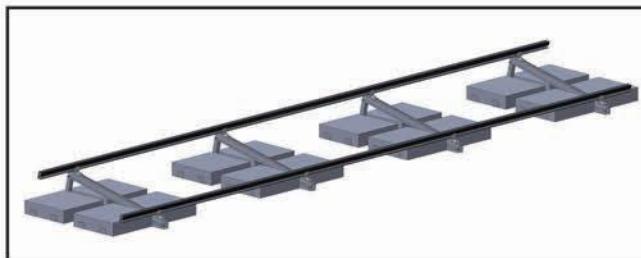
Installation Guide



Step 1: Fix tripod bracket on flat roof and put ballast pan on bracket.



Step 2: Put concrete block on ballast pan.



Step 3: Fix solar rail on tripod bracket.

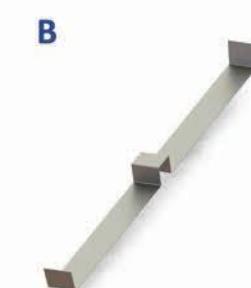


Step 4: Fix solar panel on rail.

Components



YL-BTR, Tripod Bracket
Al6005-T5 & SUS304



YL-BTR-BP, Ballast Pan
Aluminum



YL-R02, Roof Rail
Al6005-T5



YL-BR-03, Rail Clamp
Al6005-T5 & SUS304



YL-IC-40, Mid Clamp
Al6005-T5 & SUS304

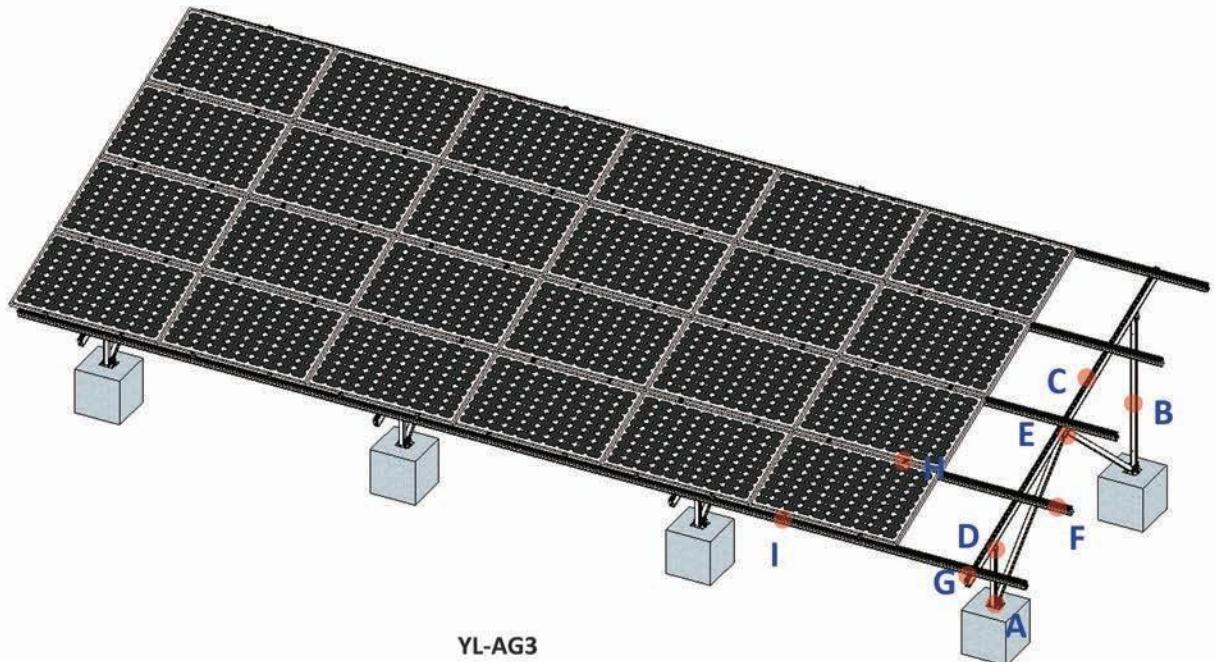


YL-SC-40, End Clamp
Al6005-T5 & SUS304

Alu Ground Mounting

Yanglin Alu Ground Mounting is applicable for open field, it can be installed for residential or commercial project.

High pre-assembled makes install efficient and easy. The structure is made by high quality Aluminum alloy.



Brief Introduction

Install Site: Open Filed

Module Tilt Angle: **5-40** degree

Max Wind Speed: **60** m/s

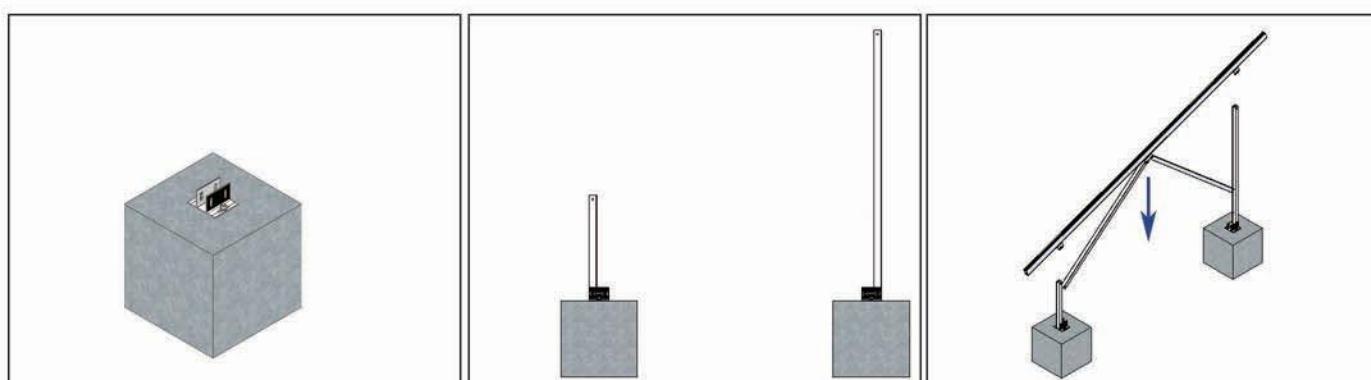
Snow Load: **1.4** KN/m²

Material: Aluminum 6005-T5

Foundation: Ground screw or concrete block

Warranty: **10** years warranty; **25** years service life.

Installation Guide

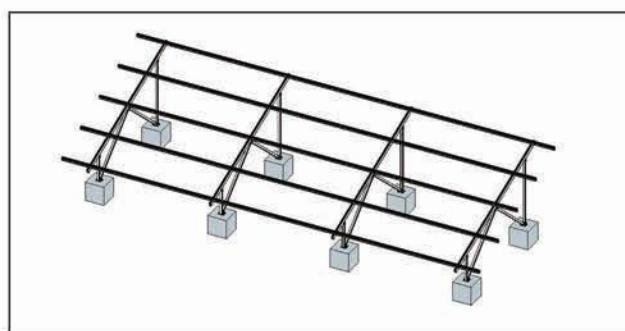


Step 1: Fix foundation base on concrete block or ground screw.

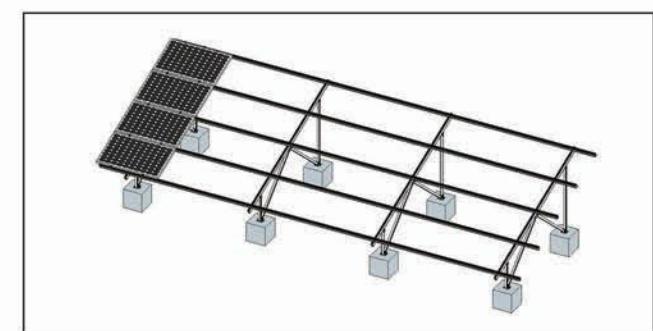
Step 2: Fix front / rear leg on foundation base

Step 3: Fix pre-assembled beam

Alu Ground Mounting

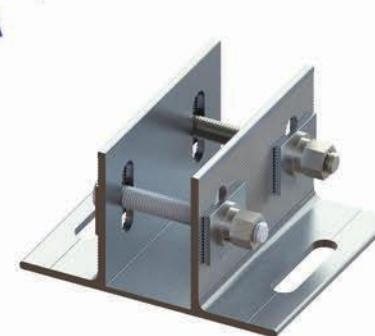


Step 4: Fix ground rail on beam one by one.



Step 5: Fix panel on rail until finished.

Components



YL-AG1-FS02, Foundation Base



YL-AG1-FL/RL/TL, Front/Rear/Tilt Leg



YL-AG3, 03# Beam



YL-AG3-CH01, 01# H Connect



YL-AG3-CH02, 02# H Connect



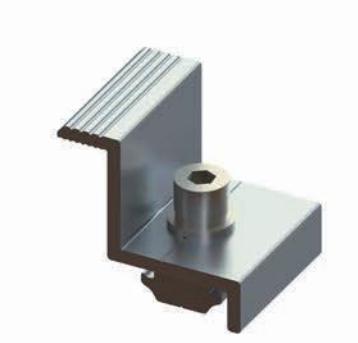
YL-R01, 01# Ground Rail



YL-BR-01, 01# Rail Clamp



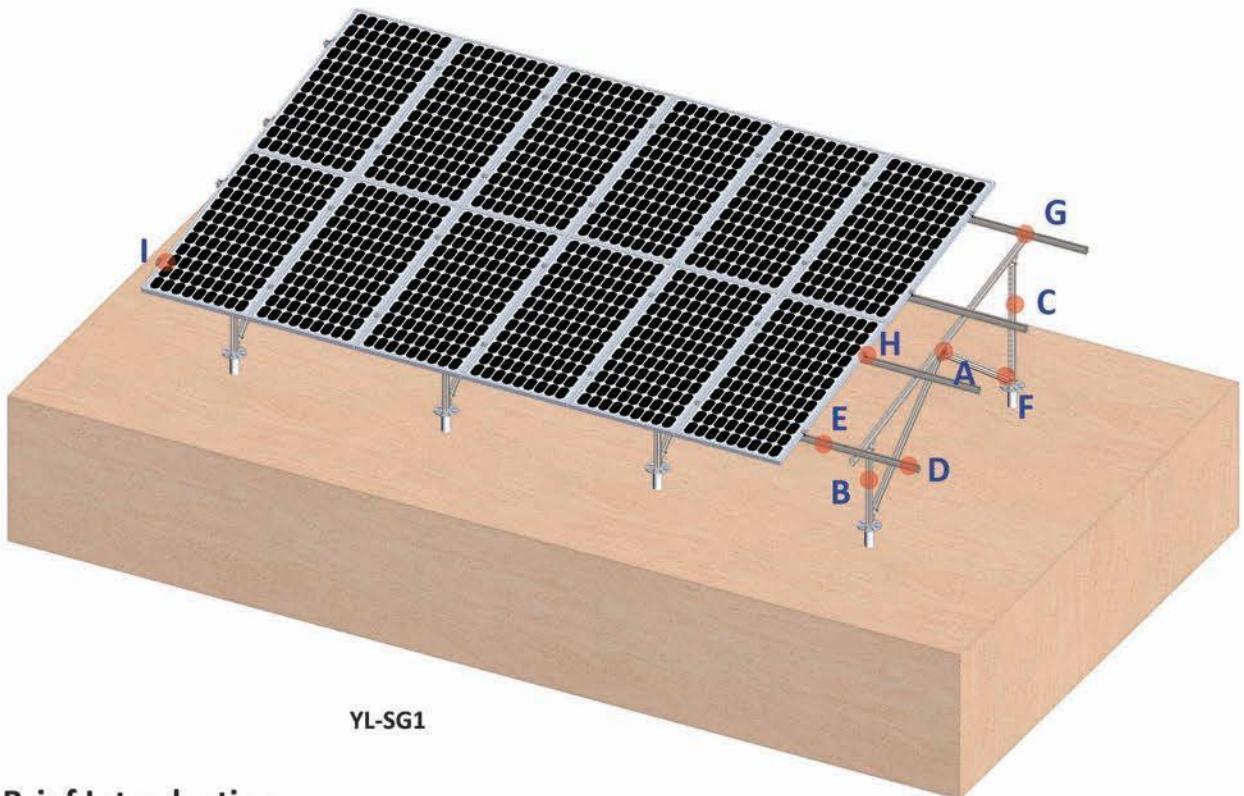
YL-MC-40, Mid Clamp



YL-EC-40, End Clamp

Steel Ground Mounting

Yanglin Steel Ground Mounting structure is applicable for open field PV mounting system. The steadiness and safety of this system are compilable with the structure mechanics and construction acts. There are two types of foundation for you to choose, one is ground screw, the other is concrete block.



Brief Introduction

Install Site: Open Filed

Module Tilt Angle: **5-40** degree

Max Wind Speed: **60** m/s

Snow Load: **1.4** KN/m²

Material: Q235

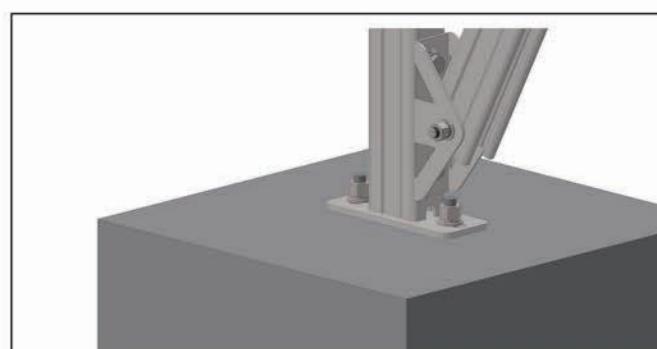
Surface: HDG(hot dipped galvanized)

Foundation: Ground screw or concrete block

Detail



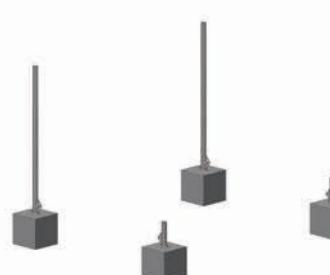
Front / rear leg and beam



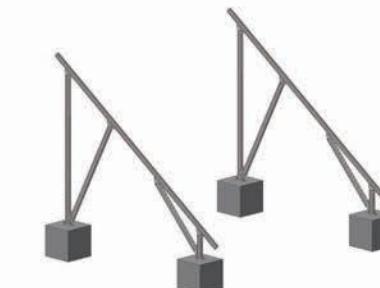
Front / rear leg and concrete block

Steel Ground Mounting

Installation Guide



Step 1: Fix front leg and rear leg.



Step 2: Fix prepare beam.



Step 3: Install rail on beam and fix panel by clamp on rail until finished.

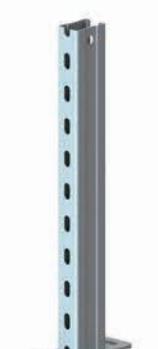
Components



YL-SG1-B-PRE, Pre-assembled Beam



YL-SG1-FL, Front Leg



YL-SG1-RL, Rear Leg



YL-R04, Steel Rail



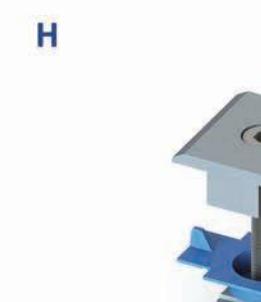
YL-R04-S, Rail Splice



YL-SG1-TC, 01# Steel Connect



YL-BR-04, 04# Rail Clamp



YL-IC-40C, Mid Clamp



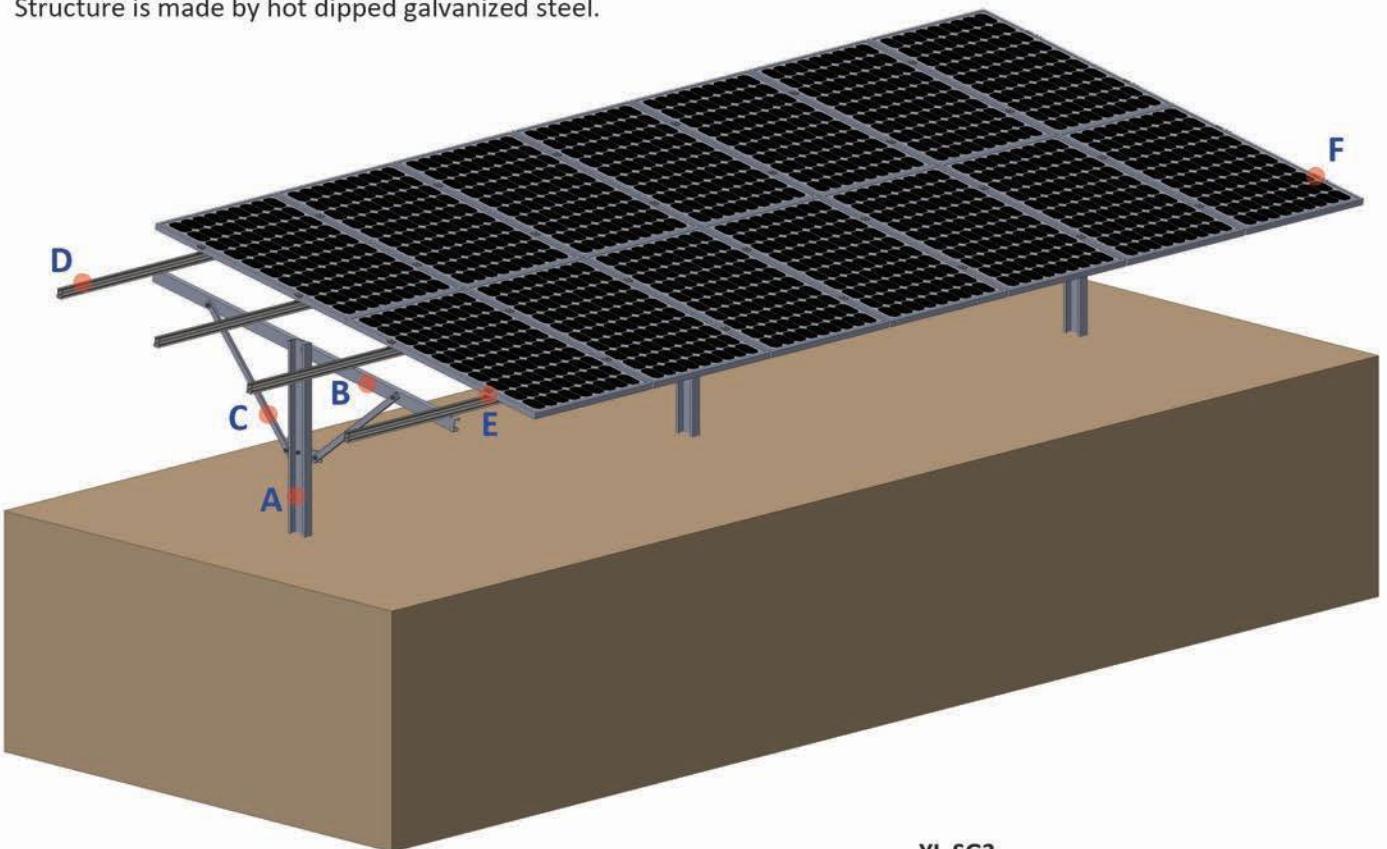
YL-SC-40C, End Clamp

Pole Ground Mounting

Yanglin Pole Ground Mounting is applicable for open field. It is designed for easy installation and lowing labor cost.

This pole ground solar mounting system can be applied to large commercial scale installations.

Structure is made by hot dipped galvanized steel.



YL-SG3

Brief Introduction

Install Site: open ground field

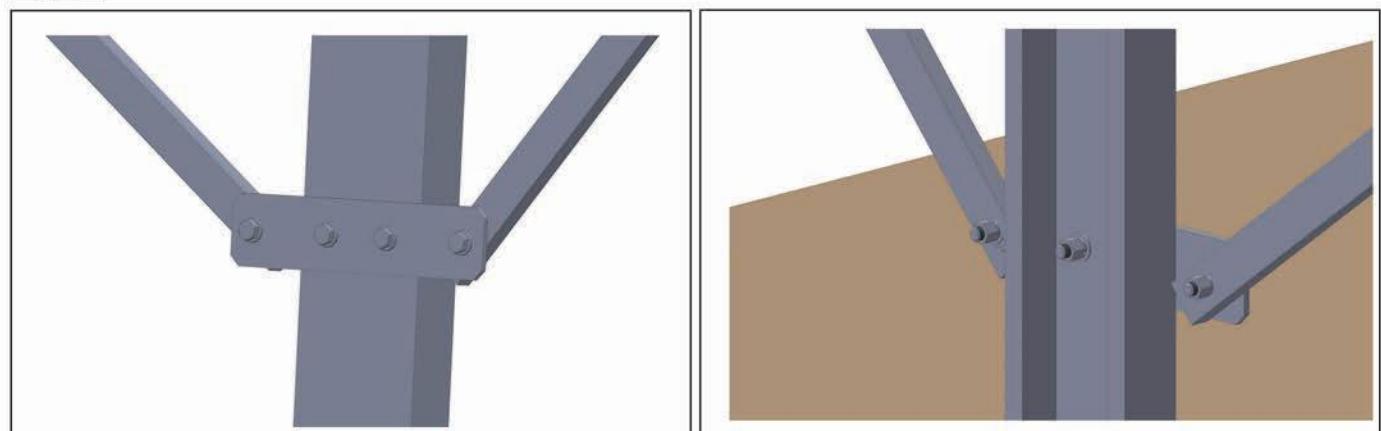
Module Tilt Angle: **5-40** degree

Max Wind Speed: **60** m/s

Snow Load: **1.4** KN/m²

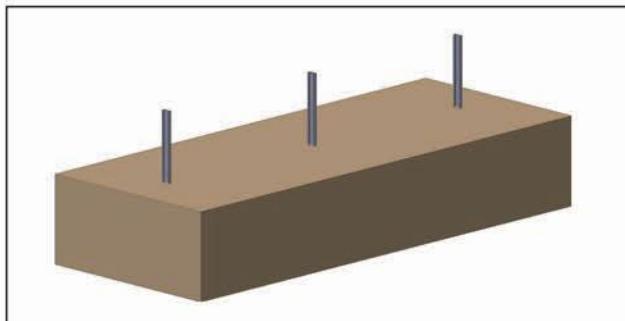
Material: hot dipped galvanized steel

Detail

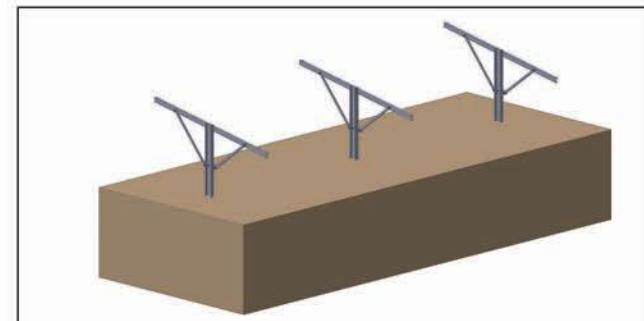


Pole Ground Mounting

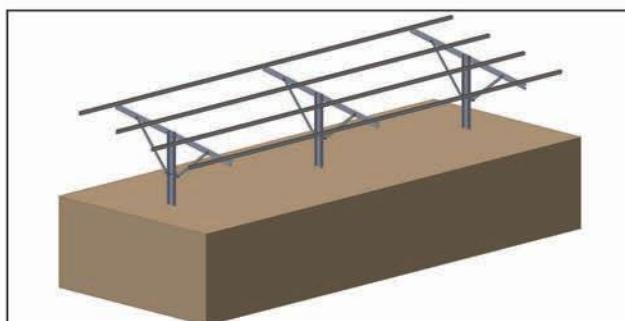
Installation Guide



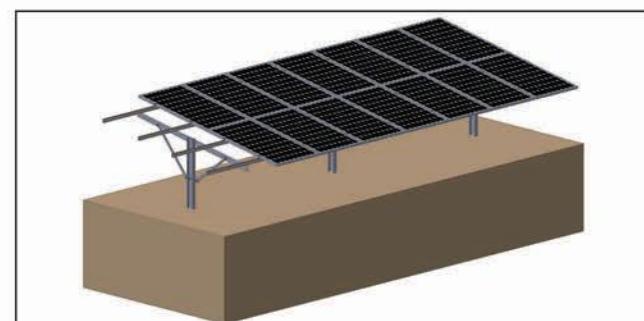
Step 1: Install support leg on ground.



Step 2: Fix steel beam and tilt leg on support.



Step 3: Fix steel ground rail on beam one by one.



Step 4: Fix panel on rail until finished.

Components

A



YL-SG3-L, Support Leg

B



YL-SG3-B, Steel Beam

C



YL-SG3-TL, Tilt Leg

D



YL-R04, Steel Rail

E



YL-IC-40C, Middle Clamp

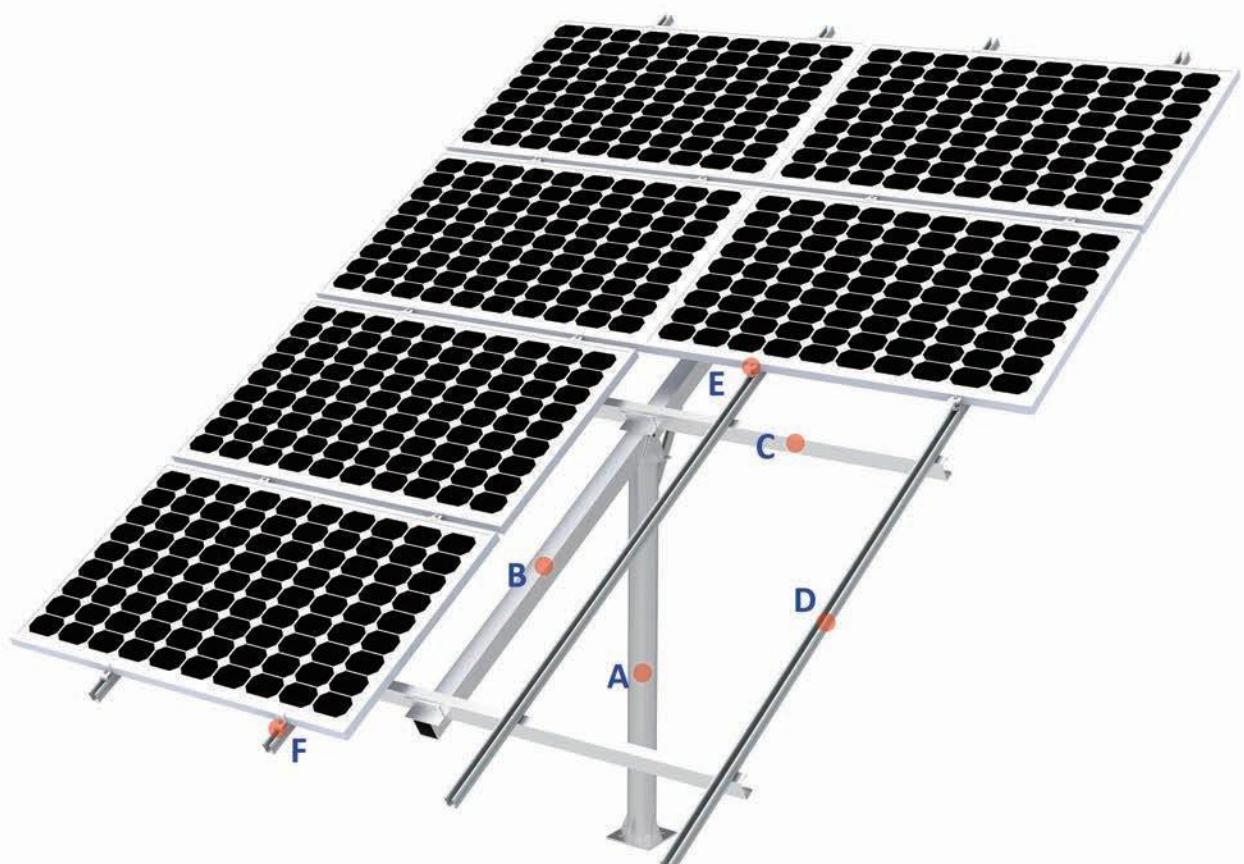
F



YL-SC-40C, End Clamp

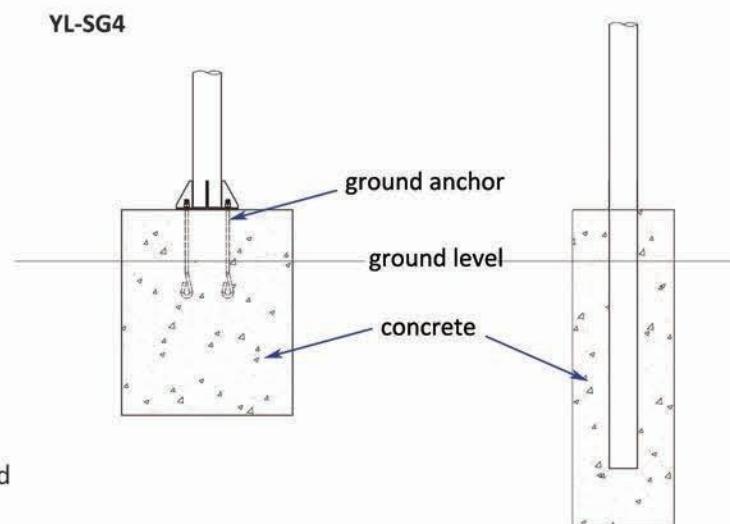
Single Pole Ground Mounting

Yanglin Single Pole Mount System is designed to install solar panels on a single pole to mount 2, 4, 6, 8, 10pcs modules. There are several kinds of solutions according to different conditions. Pole Mount System takes the importance of safety and duration. The systems have been calculated compilable with the structural mechanics and tested strictly. Structure is made by hot dipped galvanized steel.



Brief Introduction

Install Site: Ground
Module Tilt Angle: **10-60** degree
Panel Layout: 2-10pcs panel
Max Wind Speed: **60** m/s
Snow Load: **1.4 KN/m²**
Material: Q235 & Aluminum 6005-T5
Surface: Hot dipped galvanized & Anodized



Single Pole Ground Mounting

Installation Guide



Step 1: Install support leg and 01# steel beam



Step 2: Fix 02# steel beam



Components

A



D



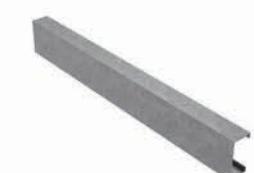
B



E



C



F



YL-SG4-L, Support Leg

YL-SG4-B1, 01# Steel Beam

YL-SG4-B2, 02# Steel Beam

YL-R04, Steel Rail

YL-IC-40C, Middle Clamp

YL-SC-40C, End Clamp

Solar Carport

Yanglin Solar carport can be applied for commercial or residential installation. The whole structure is made of high strength extruding Aluminum alloy and the fastener is 304SS. We offer customized service for single, double, triple, four or N carports together to meet your request.



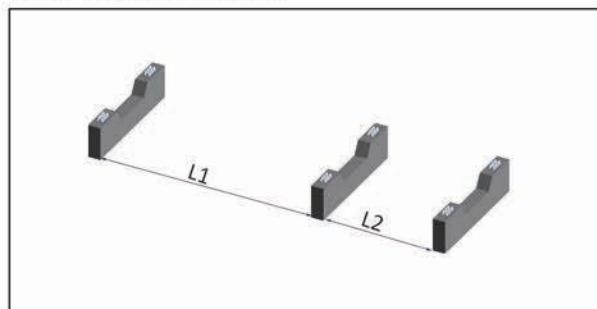
YL-CM-1

Brief Introduction

Install Site: Open Filed
 Module Tilt Angle: **5-20** degree
 Max Wind Speed: **60** m/s
 Snow Load: **1.4** KN/m²
 Material: Aluminum 6005-T5 & SUS304
 Foundation: Concrete block
 Carport Spots: Customized
 Warranty: **10** years warranty; **25** years service life.



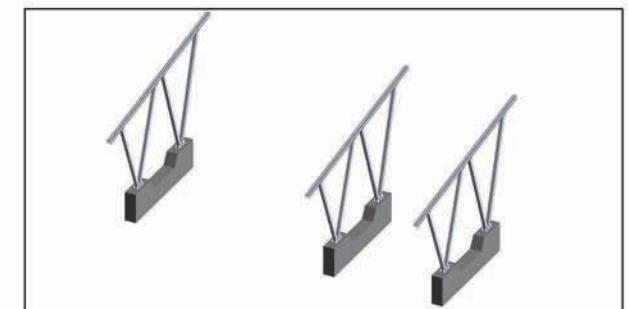
Installation Guide



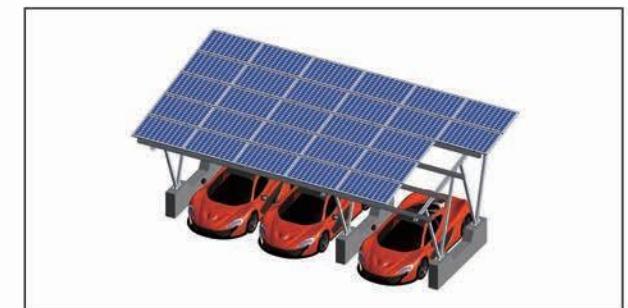
Step 1: Fix concrete block as per technical drawing requirement and fix foundation base on block.



Step 3: Fix rail on beam.



Step 2: Fix pre-assembled beam.



Step 4: Fix panel on rail until finished.

Components



YL-SC-FS02, Foundation Base



YL-SC-FL/RL/TL, Front/Rear/Tilt Leg



YL-SC-B, Alu Beam



Aluminum Carport Rail



YL-MC-40, Middle Clamp



YL-EC-40, End Clamp

Solar Carport

Ground Screw

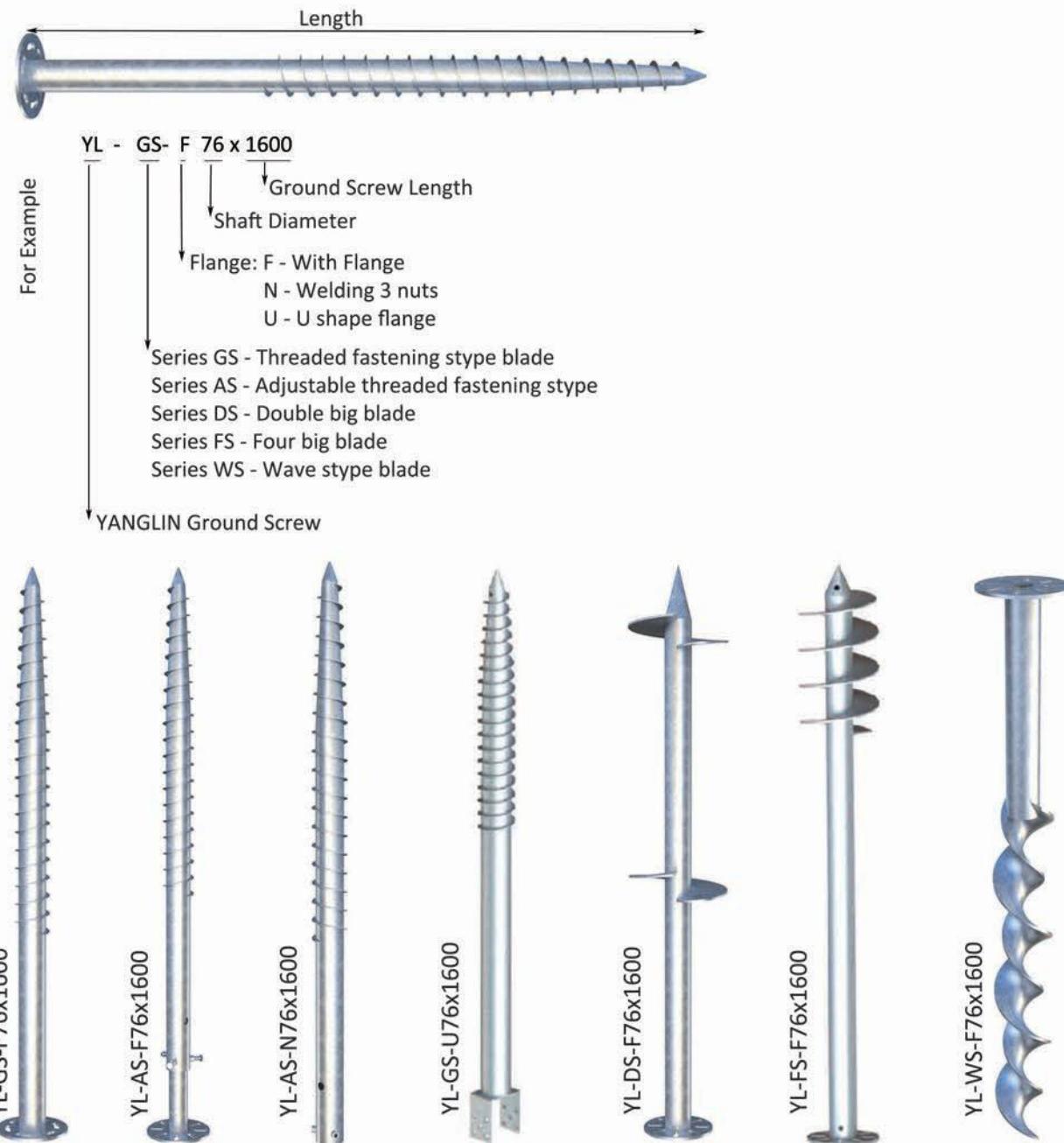
Yanglin provides ground screw with flange or ground screw without flange, now we have developed different series of ground screw to meet various application. Ground screw is not only used in solar panel system, it have widespread all over the world, but also for dense and even tarred surfaces. Applications are countless, from securing garden umbrellas, fences to carports, flag poles and traffic signs, advertising boards and even outdoor building for events and expositions for its quick and easy created and removed advantages.

Material: Q235

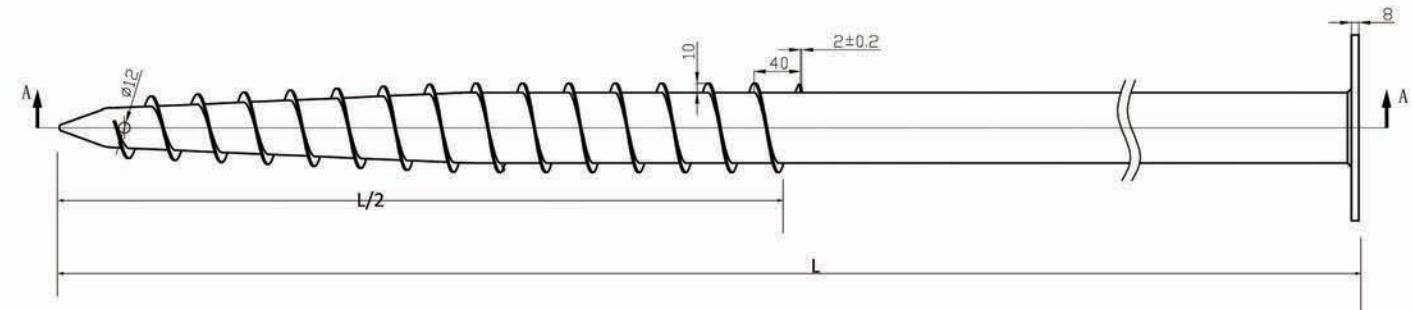
Surface: hot dipped galvanized

Length: 1600, 800, 1200, 1800, 2000, 2500, 3000, 3500, 4000mm

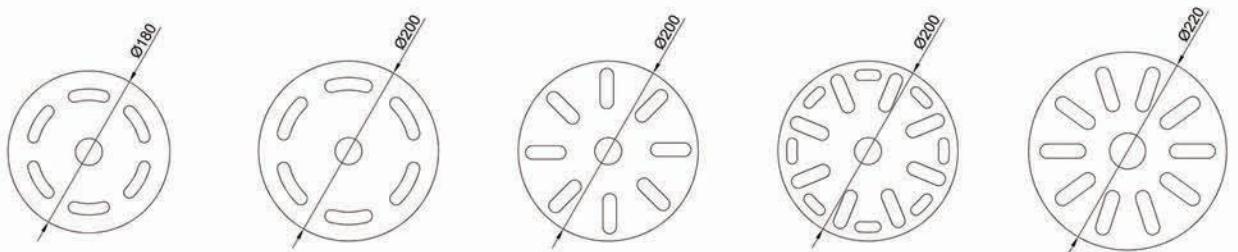
Shaft Diameter: 76, 48, 60, 89, 114mm



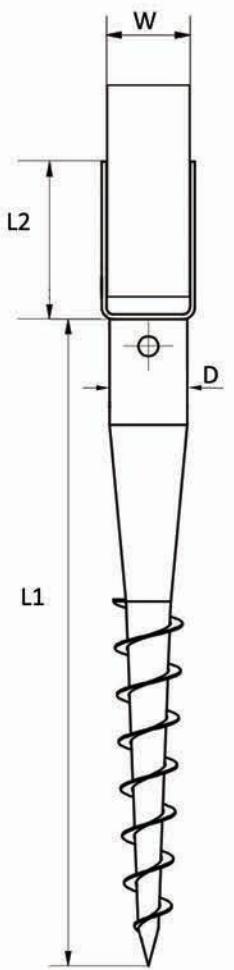
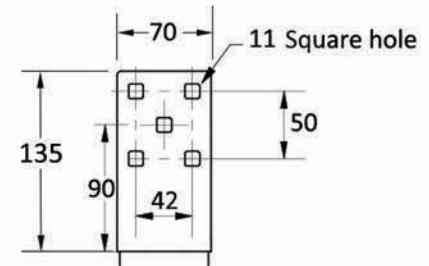
Ground Screw



Flange as follow are all available.

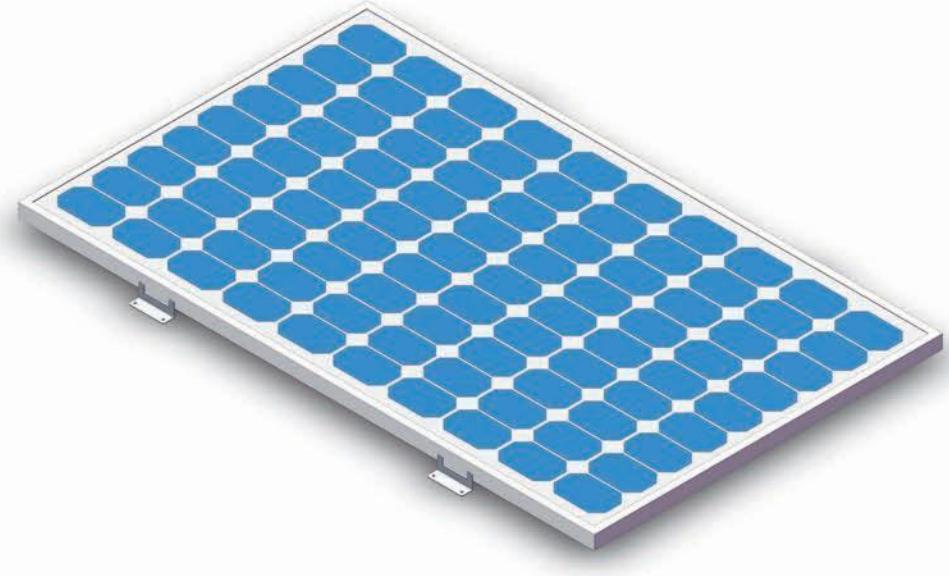


	D	L1	L2	W
YL-GS-U68x550-71	68mm	550mm	135mm	71mm
YL-GS-U68x550-91	68mm	550mm	135mm	91mm
YL-GS-U68x730-71	68mm	730mm	135mm	71mm
YL-GS-U68x730-91	68mm	730mm	135mm	91mm
YL-GS-U68x865-71	68mm	865mm	135mm	71mm
YL-GS-U68x865-91	68mm	865mm	135mm	91mm



Z Bracket Mounting

YANGLIN Solar mount Z bracket is designed to support single solar panel, generally in off-grid installations. This kit is suitable for 50W to 150W solar panels.



Feature:

Widely Use: Easy to mount solar panels to vehicles (RV's), boats, motorhome, cabins, sheds or garages, etc.

High Quality: Solar mount Z brackets are made of high quality aluminum material (not sharp), and it's service life is up to 20 years.

Light Weight and Convenient. Our package include bolts and nuts, which would secure to install your solar panel.

Easy Install: Solar mount Z brackets has a good design and makes mounting easy.

Safer and More Practical: It works great with plenty of space between panel and roof for cooling. These brackets are suitable for installing some window units.

Excellent Prudct Performance: The Brackets are very sturdy and durable, which make the brackets not easy to be bent. They can resist ultraviolet light. And they have the feature of high frequency insulation and anti-corrosion. At the same time, they can't be influenced by hot, cold or humid weather, which can work very well.

Z Bracket Type:



YL-ZB-01

YL-ZB-02

YL-ZB-03

YL-ZB-04

ABS Caravans Mounting

YANGLIN ABS solar mounting bracket is an ideal solution for cable entry through roofs. Made from ABS plastic, this waterproof and UV-resistant bracket allows an easy cable entry solution for any condition. With its dual cable entry, this housing easily passes through solar cables for a smooth installation on any roof surface. Wide application in vehicles, caravans, boats, outbuildings etc.



Feature:

1. Non-corrosive and high quality ABS plastic construction.

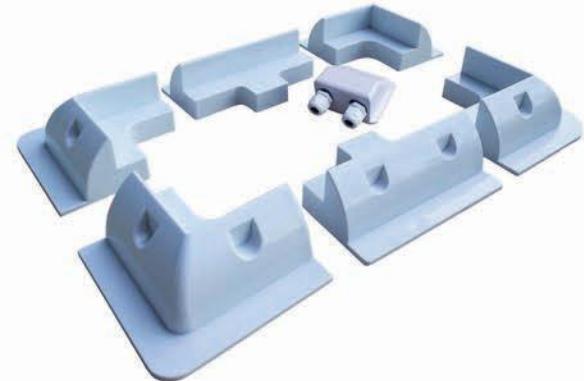
2. 100% recyclable and UV resistant.

3. Easier and more flexible installation.

4. Designated for any aluminum framed solar panels.

5. Best suitable for flat roofs of aluminum, wood, or GRP material.

6: Color: **white or black.**



YL-ABS-5P

YL-ABS-7P