



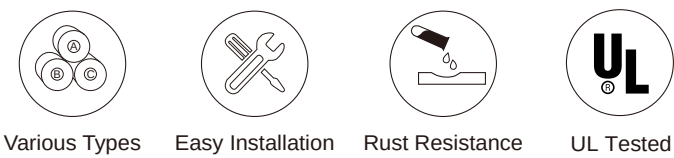
MOUNTING

TILE ROOF

INTELLIGENT
MOUNTING
SOLUTION



Various Types Hooks / Easy Installation
Rust Resistance / UL Tested



RP-1

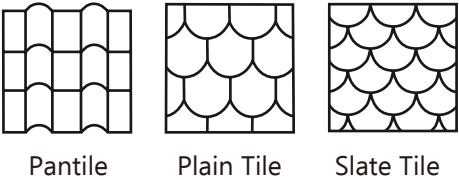
TECHNICAL DATA

Tile Roof System RP-1

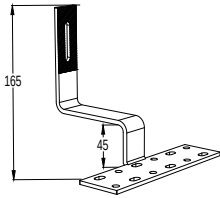
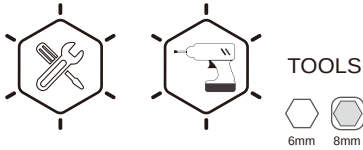
Application	Fastening Type
Pantile Roof / Plain tile / Slate tile	Wood Screw 6.3x80mm / 8x80mm
Module Frame Height	Module Orientation
25-50mm	Portrait, Landscape
Material	Aluminium EN AW-6005 T5 With 12-15um Anodization For Anti-Corrosion Fasteners A2 Quality Stainless Steel 304
Standard	Japan JIS C 8955:2011 ASCE 7-10 Malaysian Standard 1553-2002 BS EN 1991-1-4-2005



Application:



GROUNDING PARTS



End Clamp Kit
YS-EC1-35Y
For different module frame heights
Mill finished or black
Pre-assembled



Mid Clamp Kit
YS-MC1-35Y
For different module frame heights
Mill finished or black
Pre-assembled



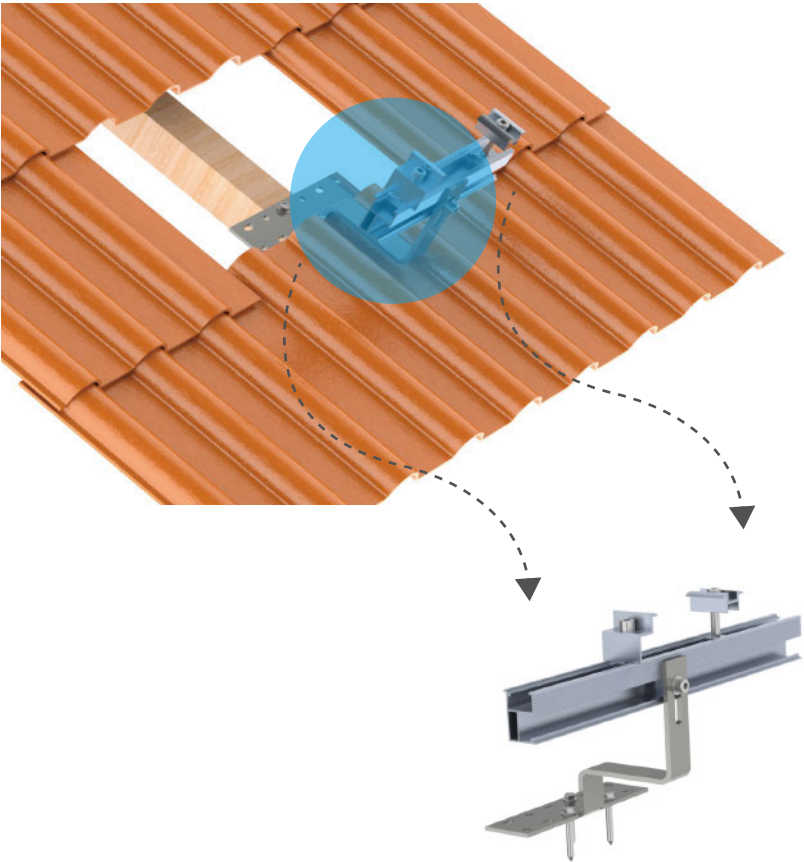
Rail
YS-198
Rail in various lengths



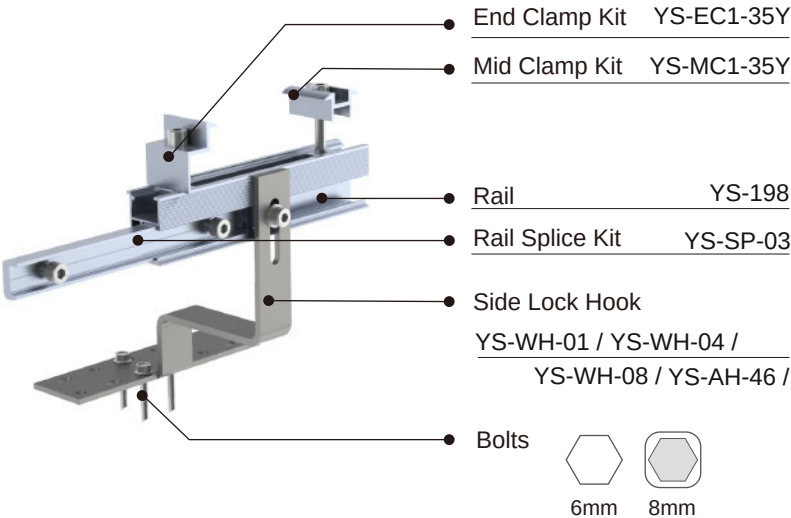
Rail Splice Kit
YS-SP-03
Internal connectors



Side Lock Hook
High-quality, thin stainless steel outriggers and partly direct connection to rail.



Structure Details



YS-WH-01
(Portrait)



YS-WH-04
(Landscape)

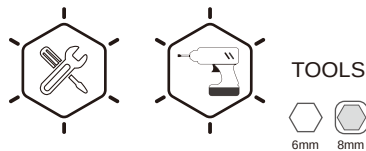


YS-LH-02

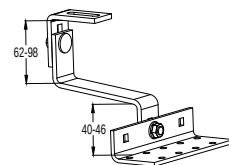


YS-WH-08





TOOLS



End Clamp Kit

YS-EC1-35J

For different module frame heights
Mill finished or black
Pre-assembled



Mid Clamp Kit

YS-MC1-35J

For different module frame heights
Mill finished or black
Pre-assembled



Rail

YS-97

Rail in various lengths



Rail Splice Kit

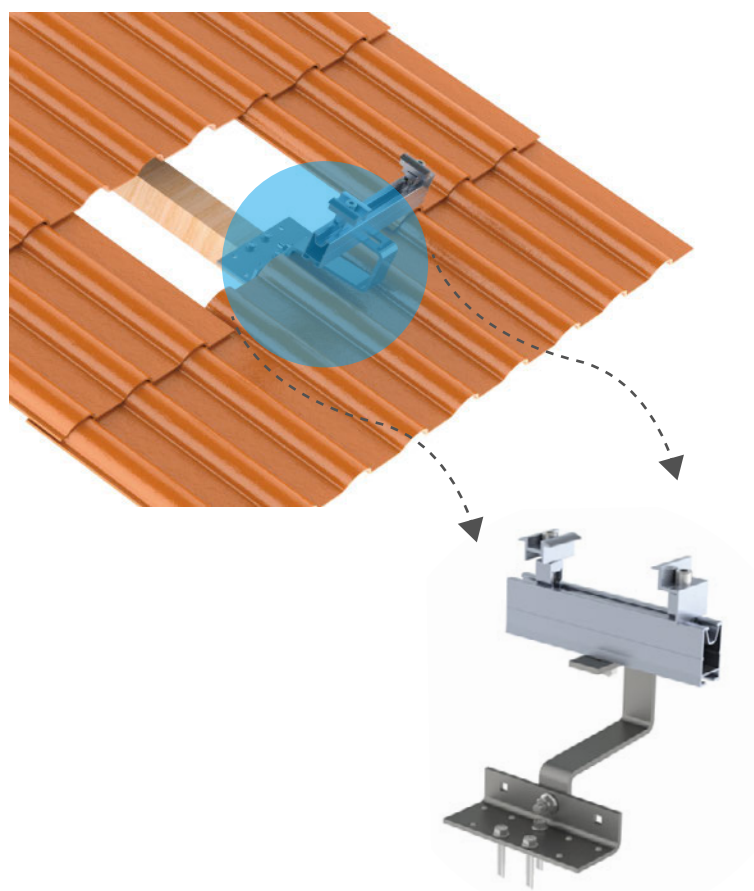
YS-98-Z

Internal connectors

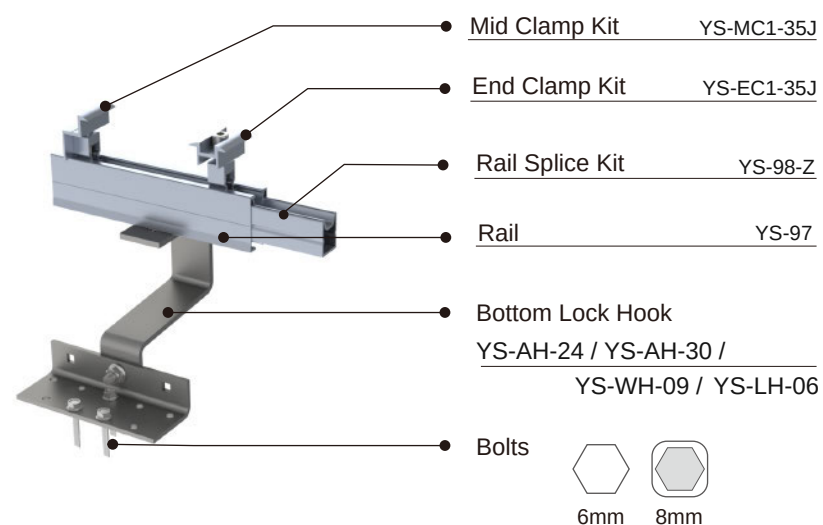


Bottom Lock Hook

Height adjustable and many precisely fitting roof hooks.



Structure Details



Mid Clamp Kit YS-MC1-35J

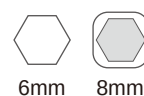
End Clamp Kit YS-EC1-35J

Rail Splice Kit YS-98-Z

Rail YS-97

Bottom Lock Hook
YS-AH-24 / YS-AH-30 /
YS-WH-09 / YS-LH-06

Bolts



6mm 8mm

YS-AH-24
(3x Adjustments)



YS-AH-30



YS-WH-08R



YS-LH-06



How To Choose The Right Hook?

1 Tile Type

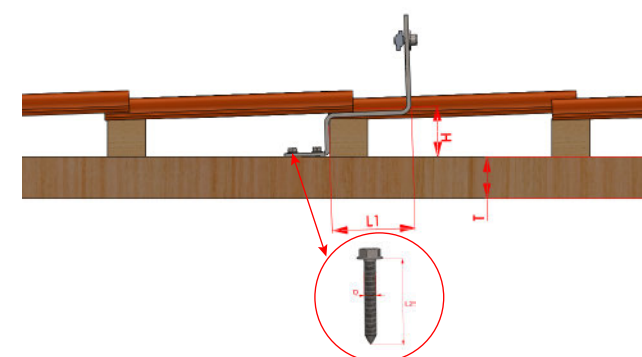
Roman Tile



Flat / Concrete Tile



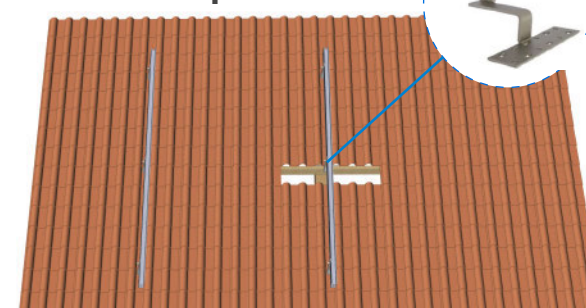
2 Hook Type



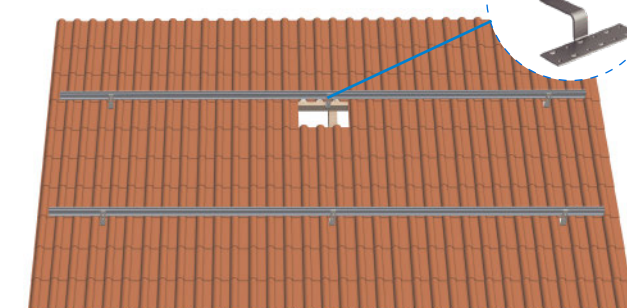
Note:
Suggest to check all the marked dimensions.

3 Panel Layout

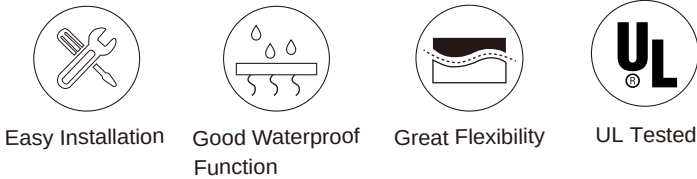
Landscape



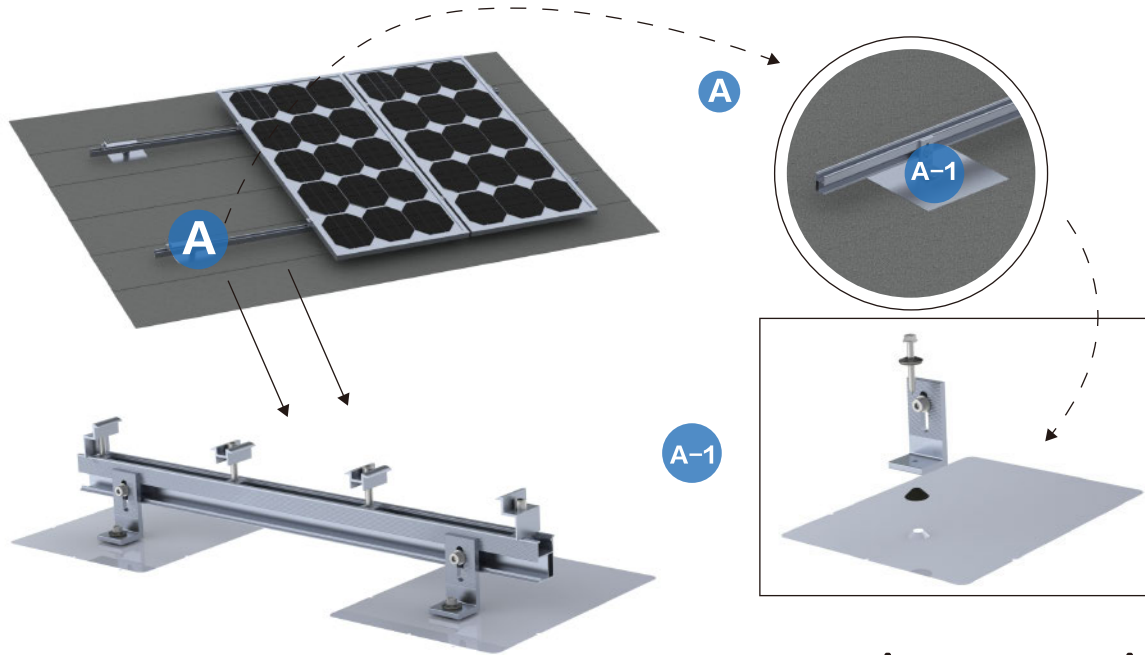
Portrait



Good Waterproof Function / Easy Installation
Great Flexibility / UL Tested



AS-1

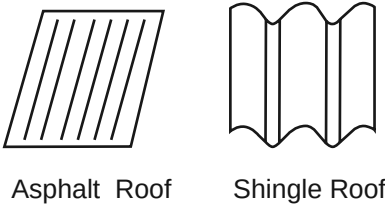


TECHNICAL DATA

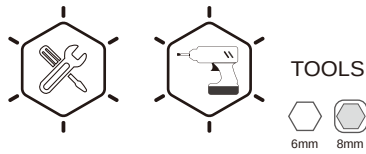
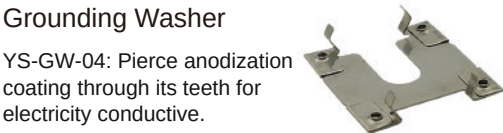
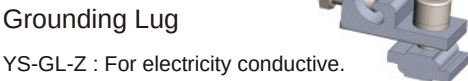
Asphalt Shingle Roof System AS-1	
Application	Fastening Type
Asphalt & Shingle Roof	Wood Screw 6.3x80mm
Module Frame Height	Module Orientation
25-50mm	Portrait, Landscape
Color	Mill finished or black
Material	Flashing: Galvalume /+Black Electrophoresis L foot: Aluminium EN AW-6005 T5 With 12-15um Anodization For Anti-Corrosion Fasteners A2 Quality Stainless Steel 304
Standard	Japan JIS C 8955:2011 ASCE 7-10 Malaysian Standard 1553-2002 BS EN 1991-1-4-2005



Application:



GROUNDING PARTS



End Clamp Kit
YS-EC1-35Z
For different module frame heights
Mill finished or black
Pre-assembled



Mid Clamp Kit
YS-MC1-35Z
For different module frame heights
Mill finished or black
Pre-assembled



Rail
YS-147
Rail in various lengths



Rail Splice Kit
YS-06-Z
Internal connectors



L-Foot
Fix the L foot to the wood purlin or wooden board.
(Thickness of Wooden Board Min≥5mm)

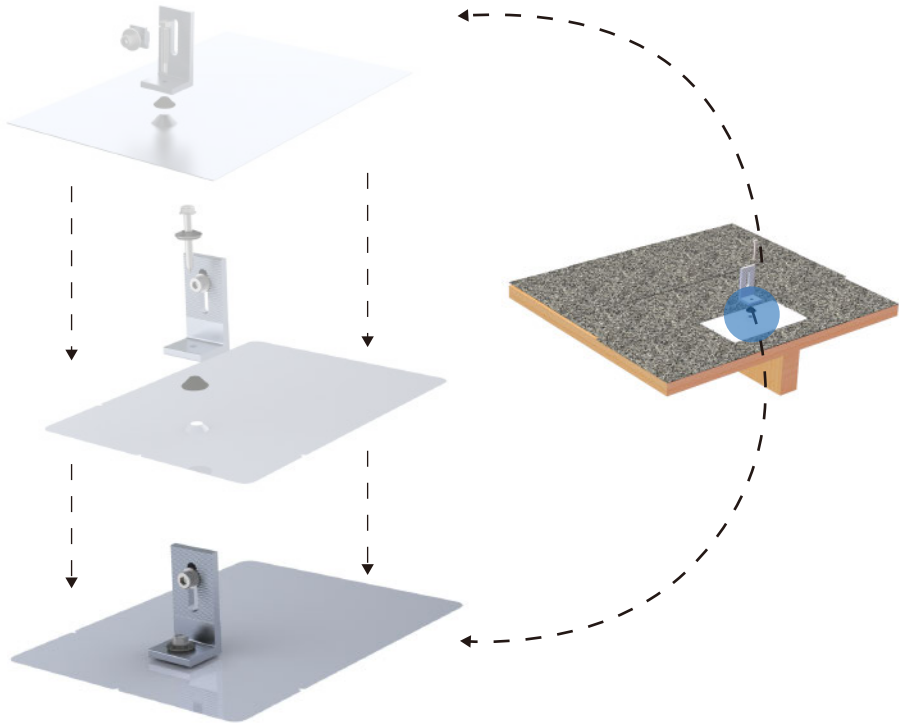


YS-TF-S80 YS-LF-S80

Structure Details

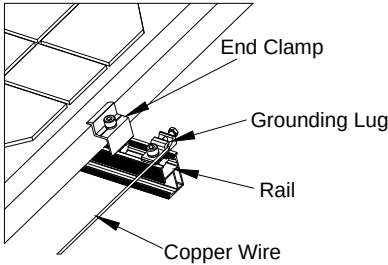
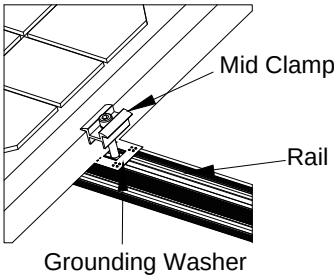
AS-1 Flashing Kit

Connecting rail and fixing flashing on purlin with wood screw.
Flashing can be mill finished or black.

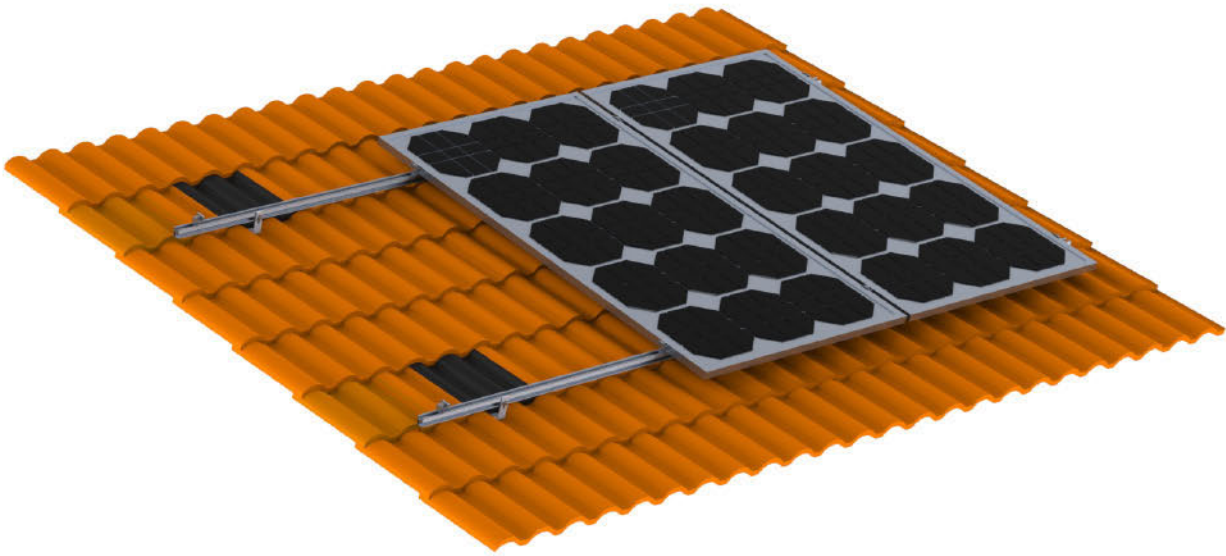


/ The sufficient holding force of the roof covering at the support or substructure must be ensured on site.
/ Roof pitch 5° - 40°
/ Sufficient load reserves to support the PV system.

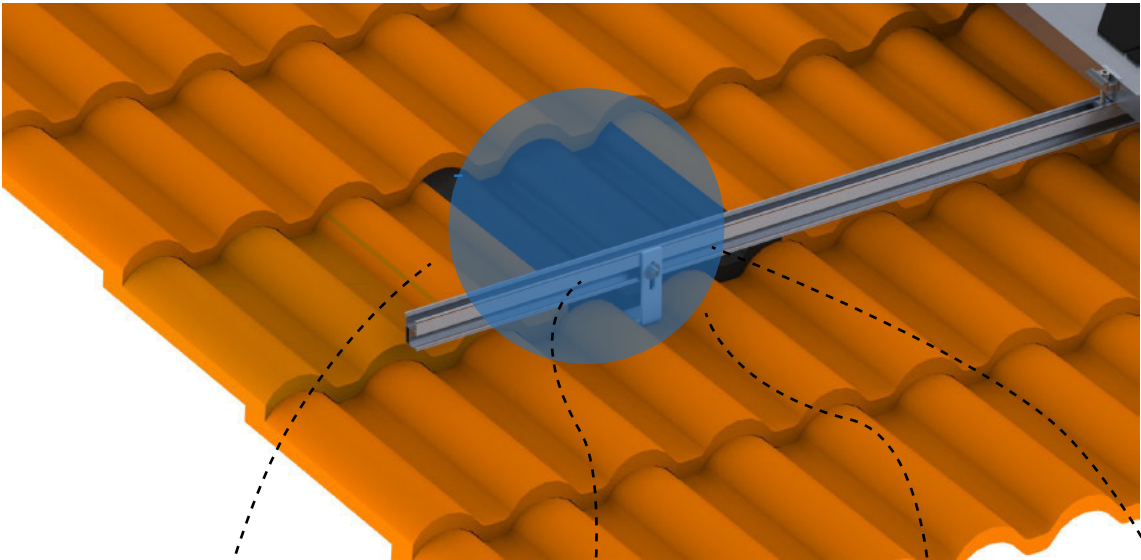
Equipotential bonding / grounding / earthing between individual parts is to be performed according to country specific standards, as well as national laws and regulations.



AS-1 For Tile Roof

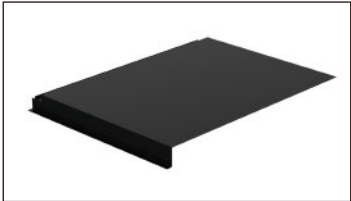


Tile Replacement



Which roof type do you need?

A



Flat Tile Replacement

B



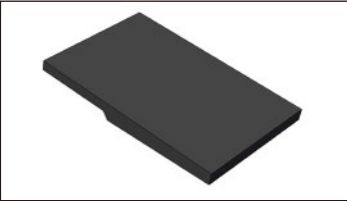
W Type Tile Replacement

C



S Type Tile Replacement

D



Hookstop

PROJECT FOR
TILE ROOF





MOUNTING

■ METAL ROOF

INTELLIGENT
MOUNTING
SOLUTION



Widely Application / Faster Installation
Rust Resistance / Customizable / UL Tested



Widely Application



Easy Installation



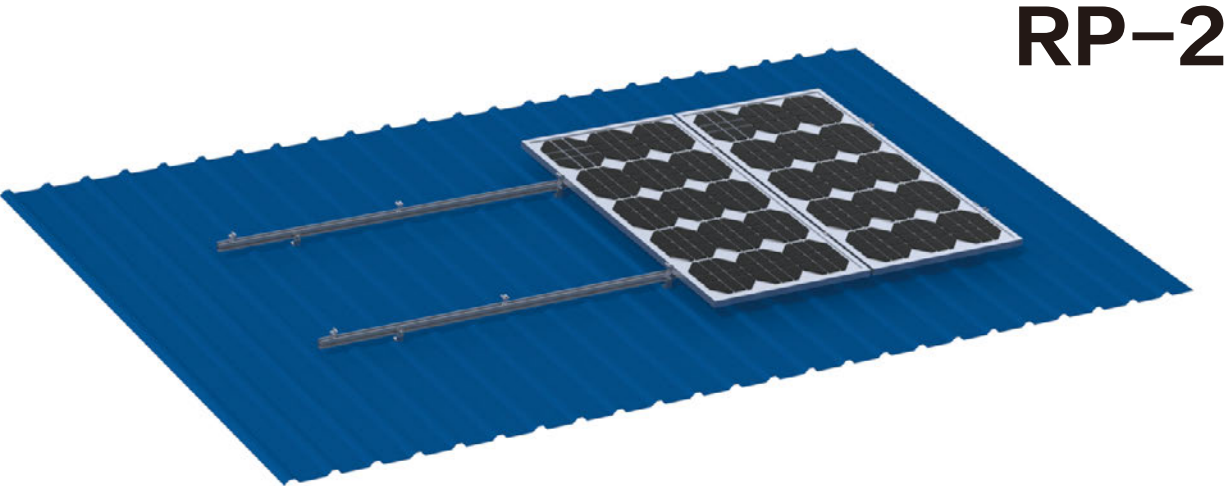
Rust Resistance



Customizable



UL Tested



RP-2

TECHNICAL DATA

Metal Roof System RP-2	
Application	Fastening Type
Metal / Corrugated Roof	a. Self-Taping Screw 6.3x25mm b. Self-Taping Screw 6.3x80mm c. Hanger Bolt M10x200 / 250 / 300mm
Module Frame Height	Module Orientation
25-50mm	Portrait, Landscape
Requirements	Sheet thickness: ≥ 0.4mm steel or ≥ 0.5mm aluminium Trapezoidal sheet crest width: ≥ 20mm Corrugated sheet radiuses: 22-45mm
Material	Aluminium EN AW-6005 T5 With 12-15um Anodization For Anti-Corrosion SUS410 Tapping Screw SUS304 Hanger Bolt
Standard	Japan JIS C 8955:2011 ASCE 7-10 Malaysian Standard 1553-2002 BS EN 1991-1-4-2005

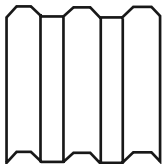


YEARS
12
WARRANTY

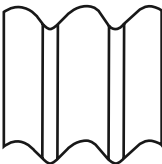


YEARS
25
SERVICE LIFE

Application:



Metal Roof

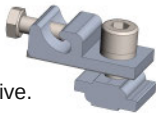


Corrugated Roof

GROUNDING PARTS

Grounding Lug

YS-GL-Z : For electricity conductive.

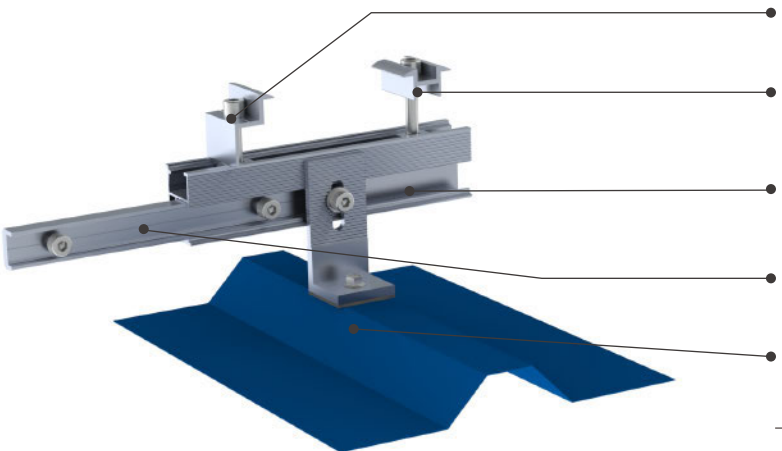


Grounding Washer

YS-GW-04: Pierce anodization coating through its teeth for electricity conductive.



LF-S80

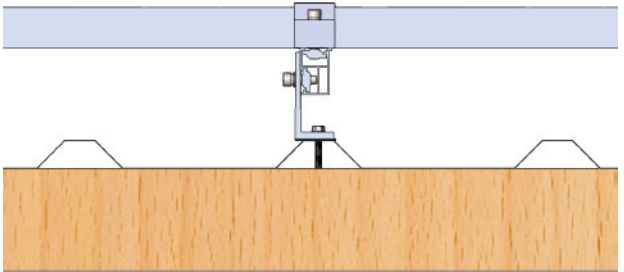


- End Clamp Kit YS-EC1-35Z
- Mid Clamp Kit YS-MC1-35Z
- Rail YS-147
- Rail Splice Kit YS-06-Z
- L Foot Kit
YS-LF-S80 / YS-LH-13K /
YS-LH-15K / YS-CL-13 /

Bolts  
6.3mm 8mm

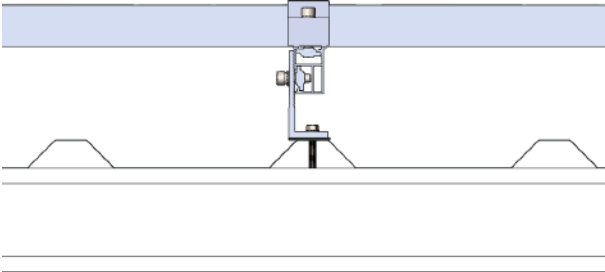
Various Solutions

(1) Wooden Purlin

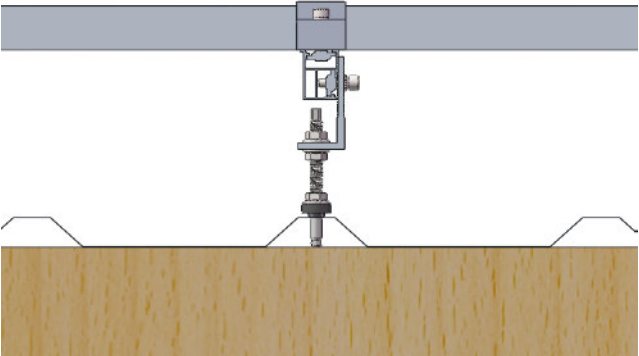


L Foot + Wooden Screw 6.3x80mm / 8x80mm

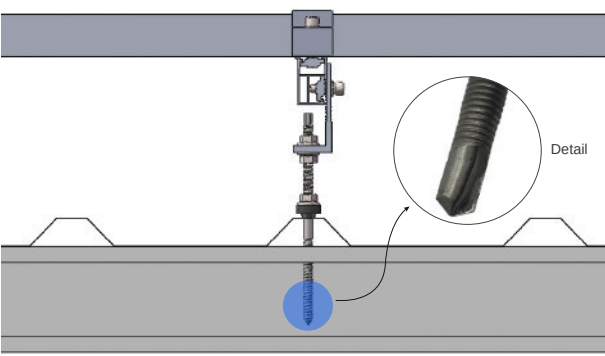
(2) Steel Beam



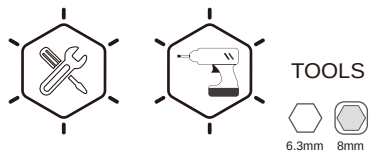
L Foot + Self Tapping Screw 6.3x80mm



L Foot + Hanger Bolt M10x200mm / 250mm / 300mm
M12x200mm / 250mm



L Foot + Alloy Steel Hanger Bolt With Tapping Head
M10x200mm / 250mm / 300mm



End Clamp Kit

YS-EC1-35Z
For different module frame heights
Mill finished or black
Pre-assembled



Mid Clamp Kit

YS-MC1-35Z
For different module frame heights
Mill finished or black
Pre-assembled



Rail

YS-147
Rail in various lengths.



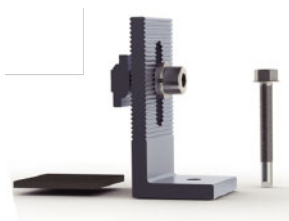
Rail Splice Kit

YS-06-Z
Internal connectors.



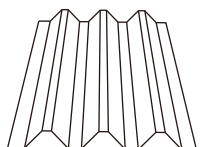
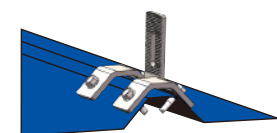
L-Foot

YS-LF-S80
Fix the L foot to the wood / steel purlin.

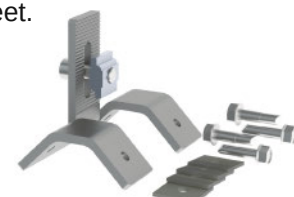
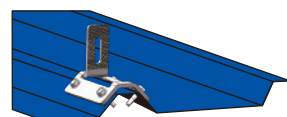


T Hook Kit

Check dimension of metal roof sheet.
Choose the applicable T Hook.



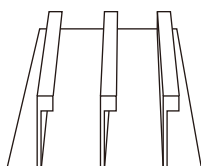
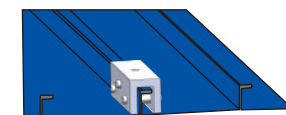
Trapezoidal Roof



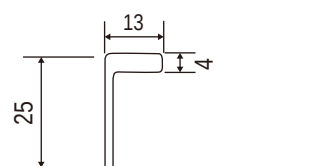
YS-LH-13K



YS-LH-15K



Standing Seam Roof



YS-CL-13 + L Foot



YS-CL-13

T-Foot Kit
YS-TF-S80



Hanger Bolt Kit
YS-KG-10H2



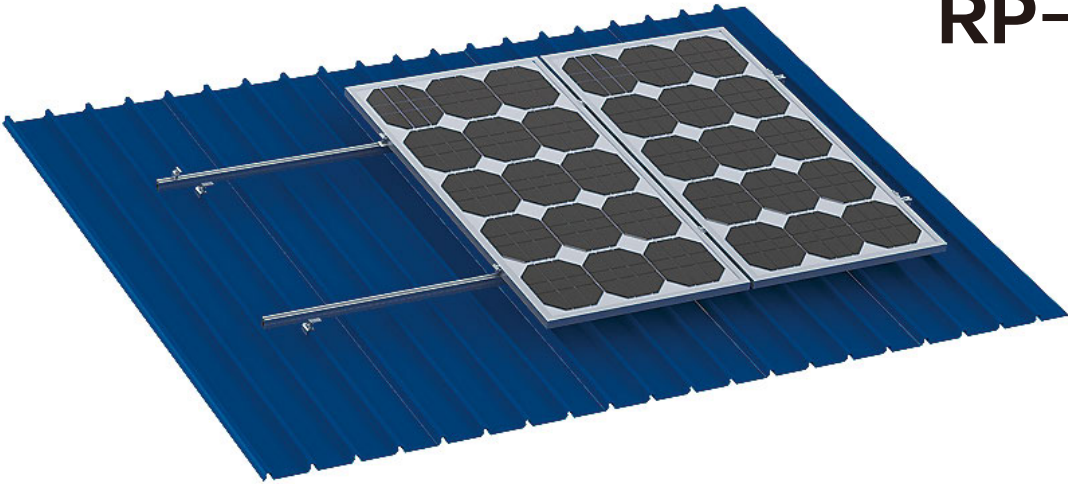
L Foot + Hanger Bolt Kit
YS-LF-10H2



PROJECT FOR METAL ROOF



Variety / Easy Installation
Non-Penetration Design / Water Leakage Protection



RP-4

TECHNICAL DATA

Tin Roof Mount RP-4

Application
Standing Seam / Trapezoidal Metal Roof Sheet

Module Frame Height	Module Orientation
25-50mm	Portrait, Landscape

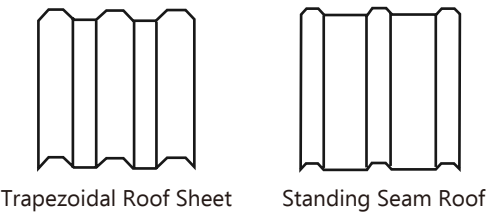
Requirements
Sheet thickness: $\geq 0.4\text{mm}$ steel or $\geq 0.5\text{mm}$ aluminium
Trapezoidal sheet crest width: $\geq 20\text{mm}$

Material
Aluminium EN AW-6005 T5
With 12-15um Anodization.
SUS410 Self-Tapping Screw.
SUS304 Fastener Bolt.
EPDM Rubber.

Standard
Japan JIS C 8955:2011
ASCE 7-10
Malaysian Standard 1553-2002
BS EN 1991-1-4:2005



Application:

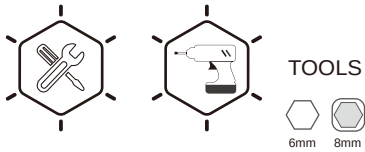
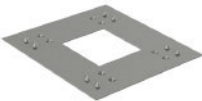


GROUNDING PARTS

Grounding Lug
YS-GL-N : For electricity conductive.



Grounding Washer
YS-GW-01: Pierce anodization coating through its teeth for electricity conductive.



End Clamp Kit
YS-EC1-35J
For different module frame heights
Mill finished or black
Pre-assembled



Mid Clamp Kit
YS-MC1-35J
For different module frame heights
Mill finished or black
Pre-assembled



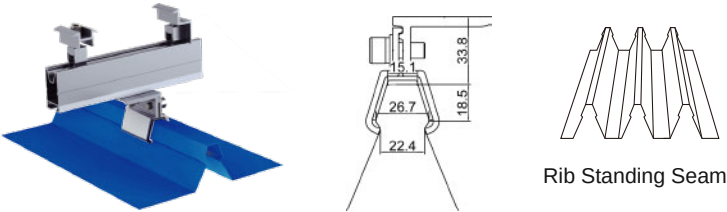
Rail
YS-97
Rail in various lengths



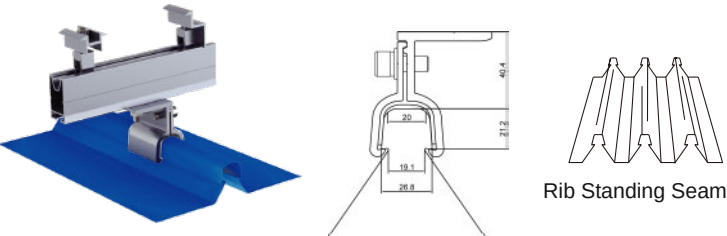
Rail Splice Kit
YS-98-Z
Internal connectors



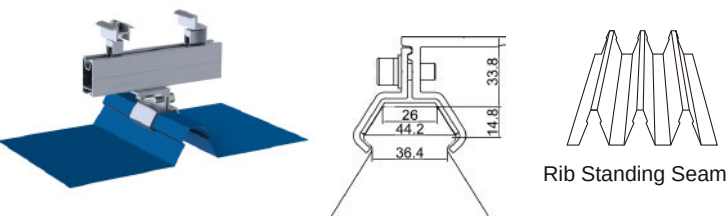
Clip Lock Kit
Check dimension of metal roof sheet.
Choose the applicable clip lock.



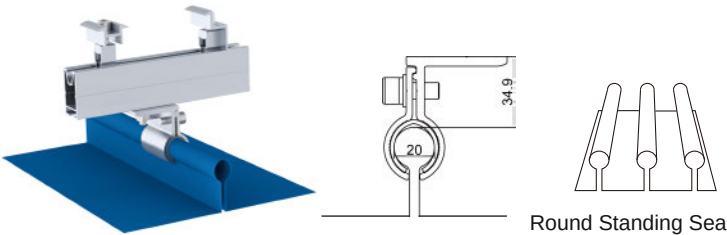
Rib Standing Seam



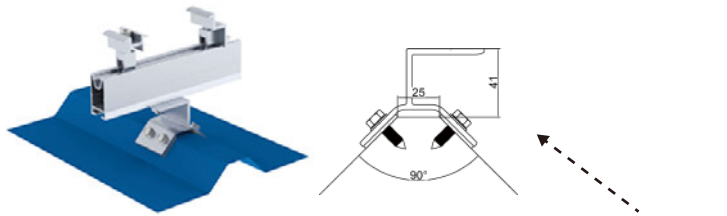
Rib Standing Seam



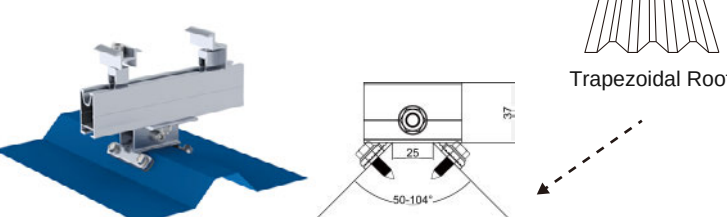
Rib Standing Seam



Round Standing Seam



Trapezoidal Roof



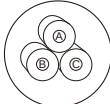
Trapezoidal Roof



Cost-Effective / Light / Easy Installation
Flexible For Vertical & Horizontal Mounted



Cost-Effective



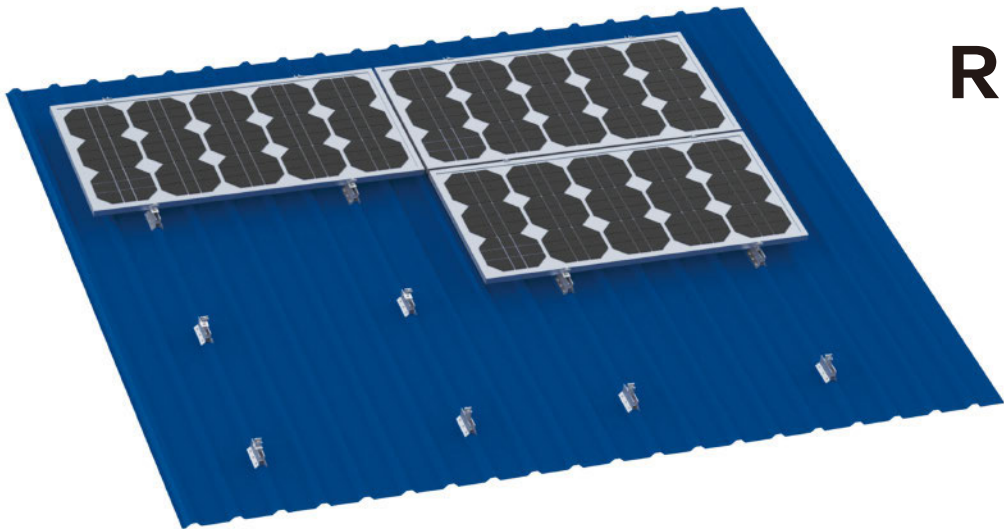
Light



Easy Installation



Flexible



RP-5

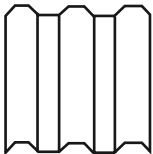
TECHNICAL DATA

Mini Rail Roof System RP-5

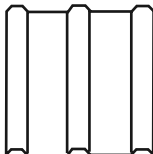
Application	Length
All Types of Metal Roof	100mm - 400mm Depending on Ridge / Crest Width / Roof Sheet
Module Frame Height	Module Orientation
25-50mm	Portrait, Landscape
Requirements	Sheet thickness: $\geq 0.4\text{mm}$ steel or $\geq 0.5\text{mm}$ aluminium Trapezoidal sheet crest width: $\geq 20\text{mm}$ Corrugated sheet radiuses: 22-45mm
Material	Aluminium EN AW-6005 T5 With 12-15um Anodization SUS410 Self-Tapping Screw SUS304 Fastener Bolt EPDM Rubber
Standard	Japan JIS C 8955:2011 ASCE 7-10 Malaysian Standard 1553-2002 BS EN 1991-1-4:2005



Application:



Trapezoidal Roof



Standing Seam Roof

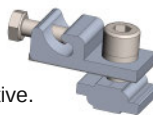


Corrugated Roof

GROUNDING PARTS

Grounding Lug

YS-GL-Z : For electricity conductive.



Grounding Washer

YS-GW-04: Pierce anodization coating through its teeth for electricity conductive.

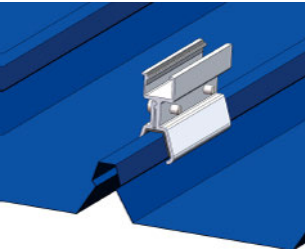


TOOLS



Mini Rail Clip Lock Type

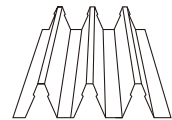
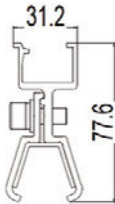
Various lengths available



End Clamp Kit

YS-EC1-35Z

For different module frame heights
Mill finished or black
Pre-assembled

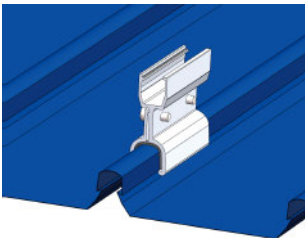


Rib Standing Seam

YS-CL-03



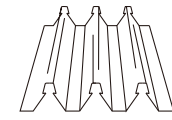
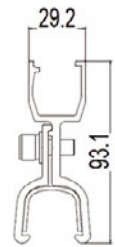
YS-CL-04



Mid Clamp Kit

YS-MC1-35Z

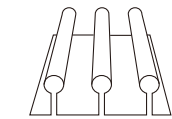
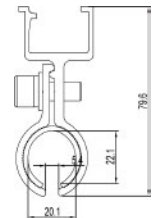
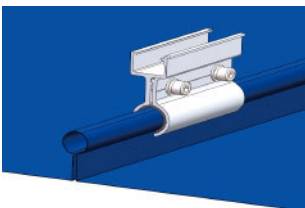
For different module frame heights
Mill finished or black
Pre-assembled



Rib Standing Seam



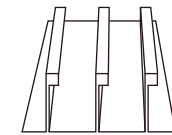
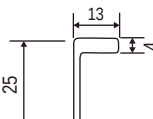
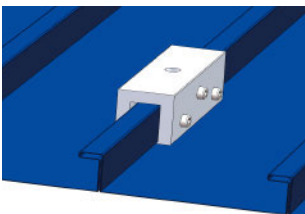
YS-CL-12



Round Standing Seam



YS-CL-13

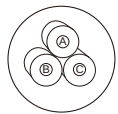


Angled and Snaplock Standing Seam





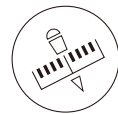
Cost-Effective



Light



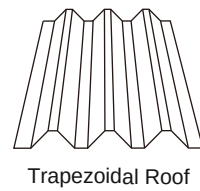
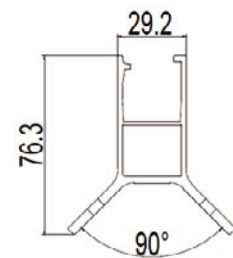
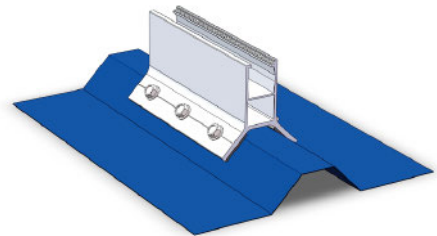
Easy Installation



Flexible

Mini Rail Trapezoidal Type

Various lengths available

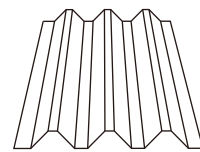
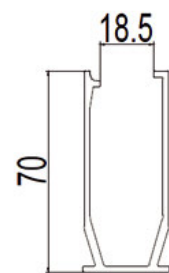
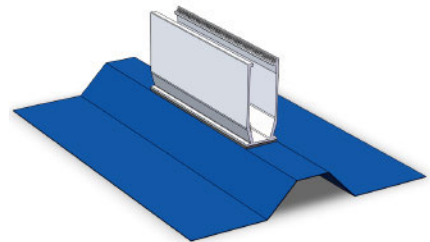


Trapezoidal Roof

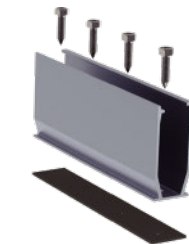
YS-CL-08



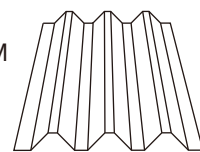
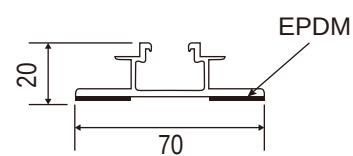
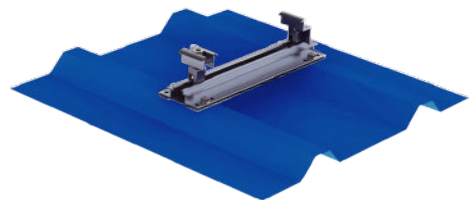
YS-CL-09



Trapezoidal Roof



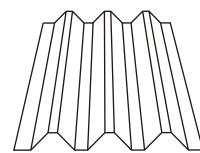
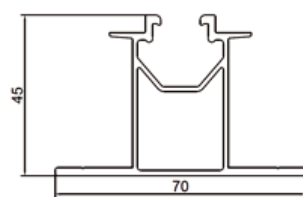
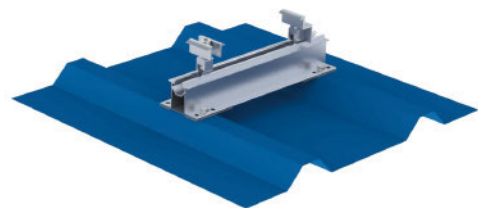
YS-CL-21



Trapezoidal Roof



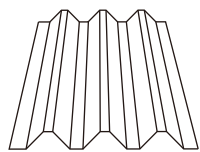
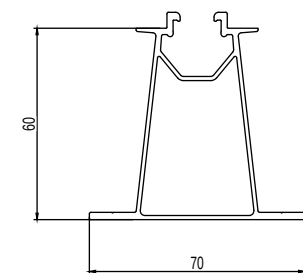
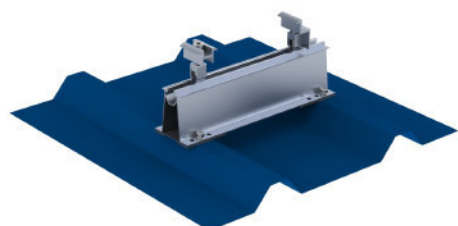
YS-CL-32



Trapezoidal Roof



YS-CL-40



Trapezoidal Roof



PROJECT FOR METAL ROOF





MOUNTING

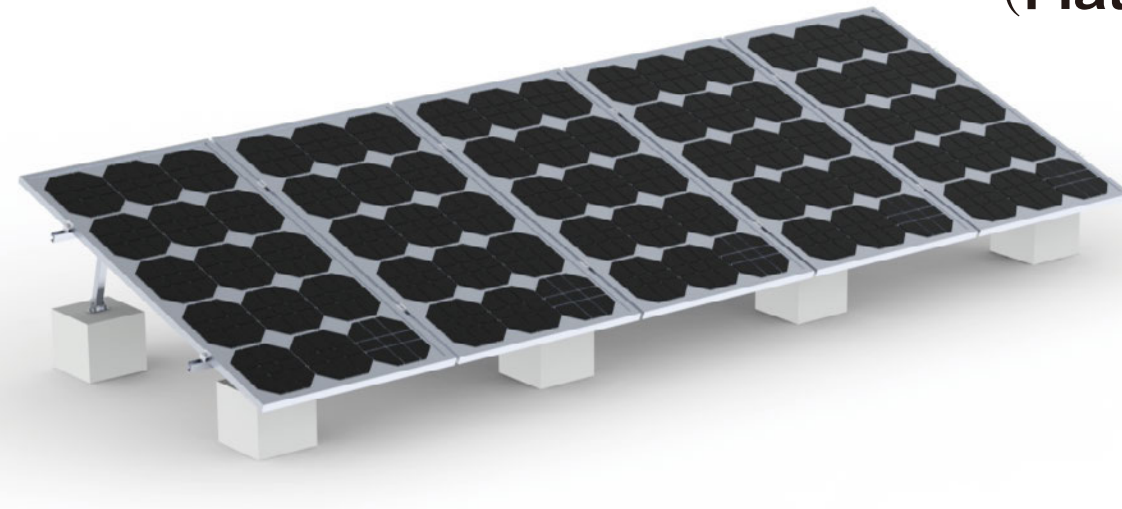
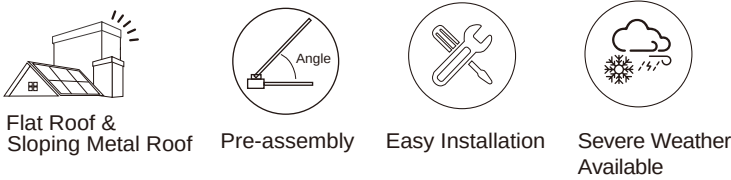
FLAT ROOF



INTELLIGENT
MOUNTING
SOLUTION

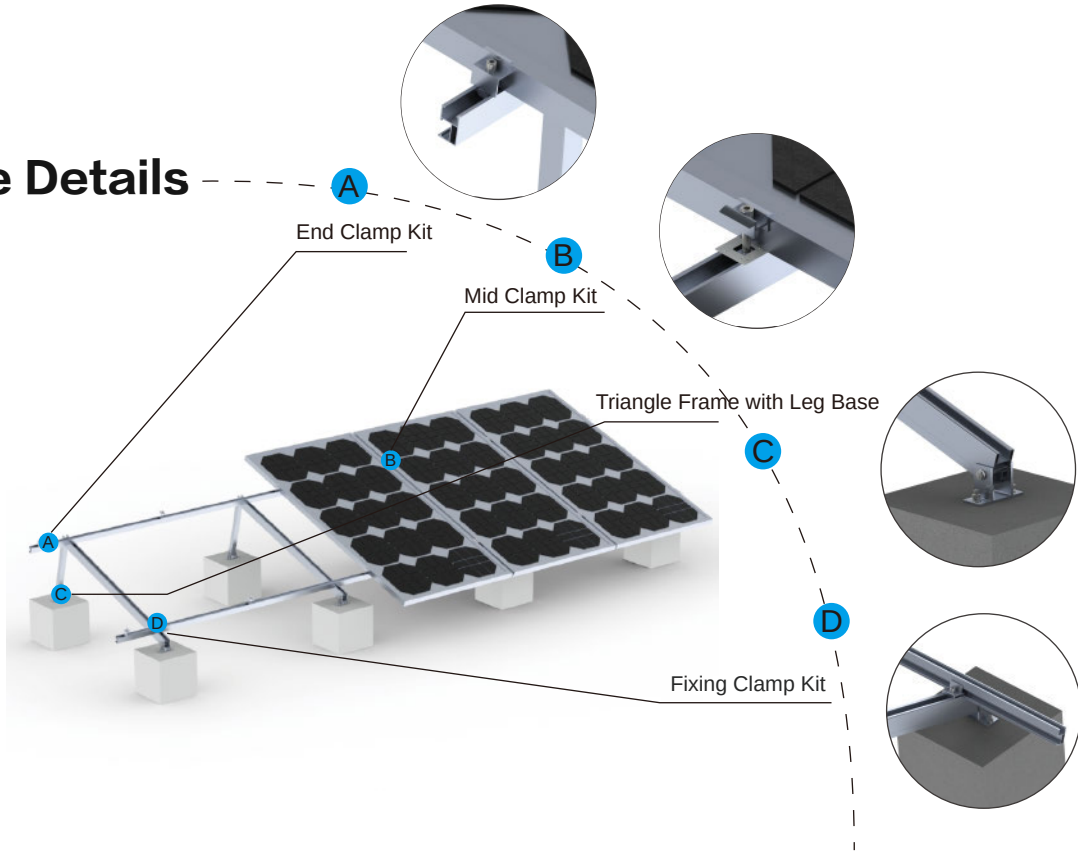


Highly Pre-assembly / Static Reliability /
Available for Severe Weather Area



TP-1 (Flat Roof)

Structure Details



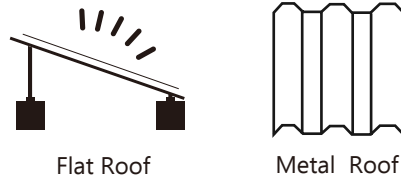
TECHNICAL DATA

Adjustable Triangle System TP-1

Application Flat Roofs ≤ 5° On Concrete, Gravelled, Green Roofs Or Metal Roof	Fastening Type Expansion Bolt M8x80mm Self-Tapping Screw 6.3x80mm
Module Frame Height 25-50mm	Module Orientation Portrait, Landscape
Inclination	10-15deg, 15-30deg, 25-45deg or Customized
Material	Aluminium EN AW-6005 T5 With 12-15um Anodization For Anti-Corrosion Fasteners A2 Quality Stainless Steel 304/410
Standard	Japan JIS C 8955:2011 ASCE 7-10 Malaysian Standard 1553-2002 BS EN 1991-1-4:2005



Application:



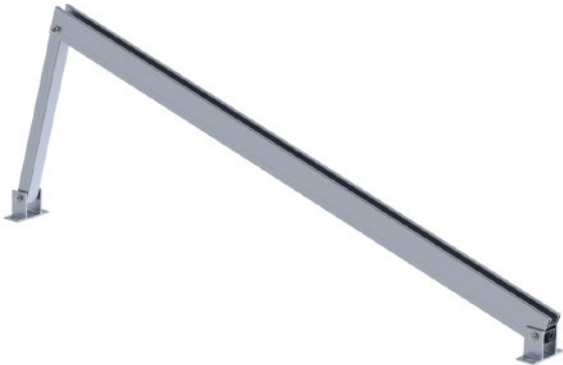
GROUNDING PARTS

Grounding Lug
YS-GL-Z : For electricity conductive.

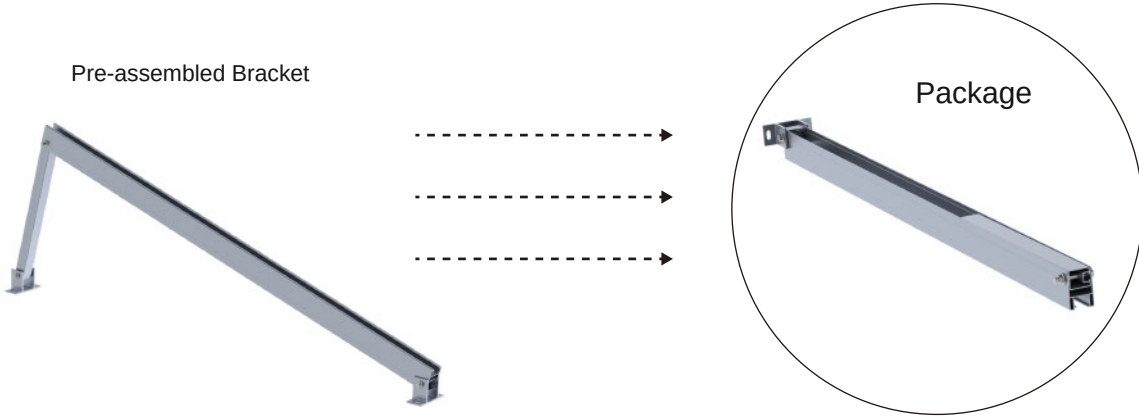
Grounding Washer
YS-GW-04: Pierce anodization coating through its teeth for electricity conductive.

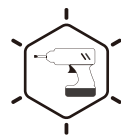
TRIANGLE BRACKET PARTS

YS-HTF
Refined system with well thought-out connections.
Enables systemic storage and flexible application possibilities.



Fixed Semi-Triangle Frame with Leg Base





TOOLS



End Clamp Kit

YS-EC1-35Z

For different module frame heights
Mill finished or black
Pre-assembled



Mid Clamp Kit

YS-MC1-35Z

For different module frame heights
Mill finished or black
Pre-assembled



Rail

YS-147

Rail in various lengths



Rail Splice Kit

YS-06-Z

Internal connectors



Fixing Clamp Kit

YS-FC-05Z

Fix rail to the support frame.



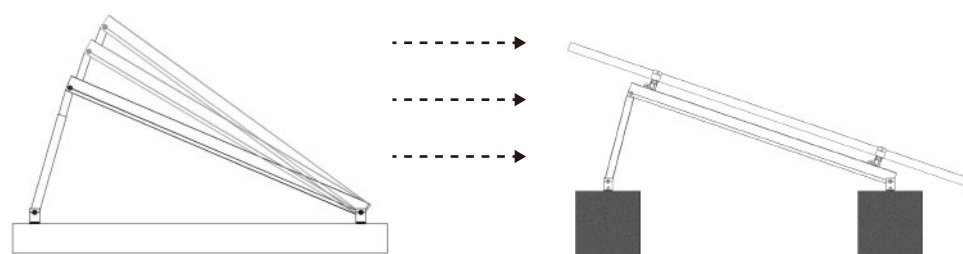
YS-HAF

Various elevations allow flexible use by adjusting the inner and outer support frames.

Adjust an optimal inclination to gain up power capacity in different seasons.



Adjustable Semi-Triangle Frame with Leg Base



Features Adjust the tilt angle to reach optimal degrees in different seasons.
Tilt Range: 10-15deg, 15-30deg, 25-45deg, Or Customized.

Leg Base

YS-136

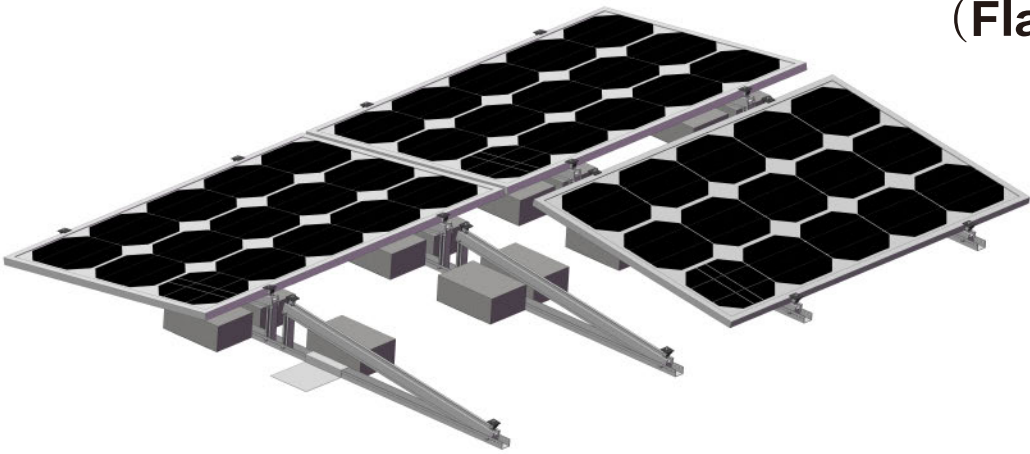
Leg base for anchoring directly into the concrete roof.



PROJECT FOR FLAT ROOF



Non-Penetration / Ballast-Optimized System /
Easy Installation / Simple Components



TP-2
(Flat Roof)

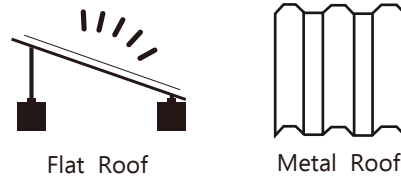
TECHNICAL DATA

Ballast System TP-2

Application Flat Roof≤5°Concrete, Gravelled or Green Roofs. Trapezoidal Sheet Metal Roofs	Fastening Type Ballasted With Concrete Blocks Fastened Directly Into The Metal Roof
Module Frame Height 25-50mm	Module Orientation Portrait, Landscape
Inclination	10-15deg, 15-30deg, 25-45deg or Customized
Material	Aluminium EN AW-6005 T5 With 12-15um Anodization For Anti-Corrosion Fasteners A2 Quality Stainless Steel 304/410
Standard	Japan JIS C 8955:2011 ASCE 7-10 Malaysian Standard 1553-2002 BS EN 1991-1-4-2005



Application:

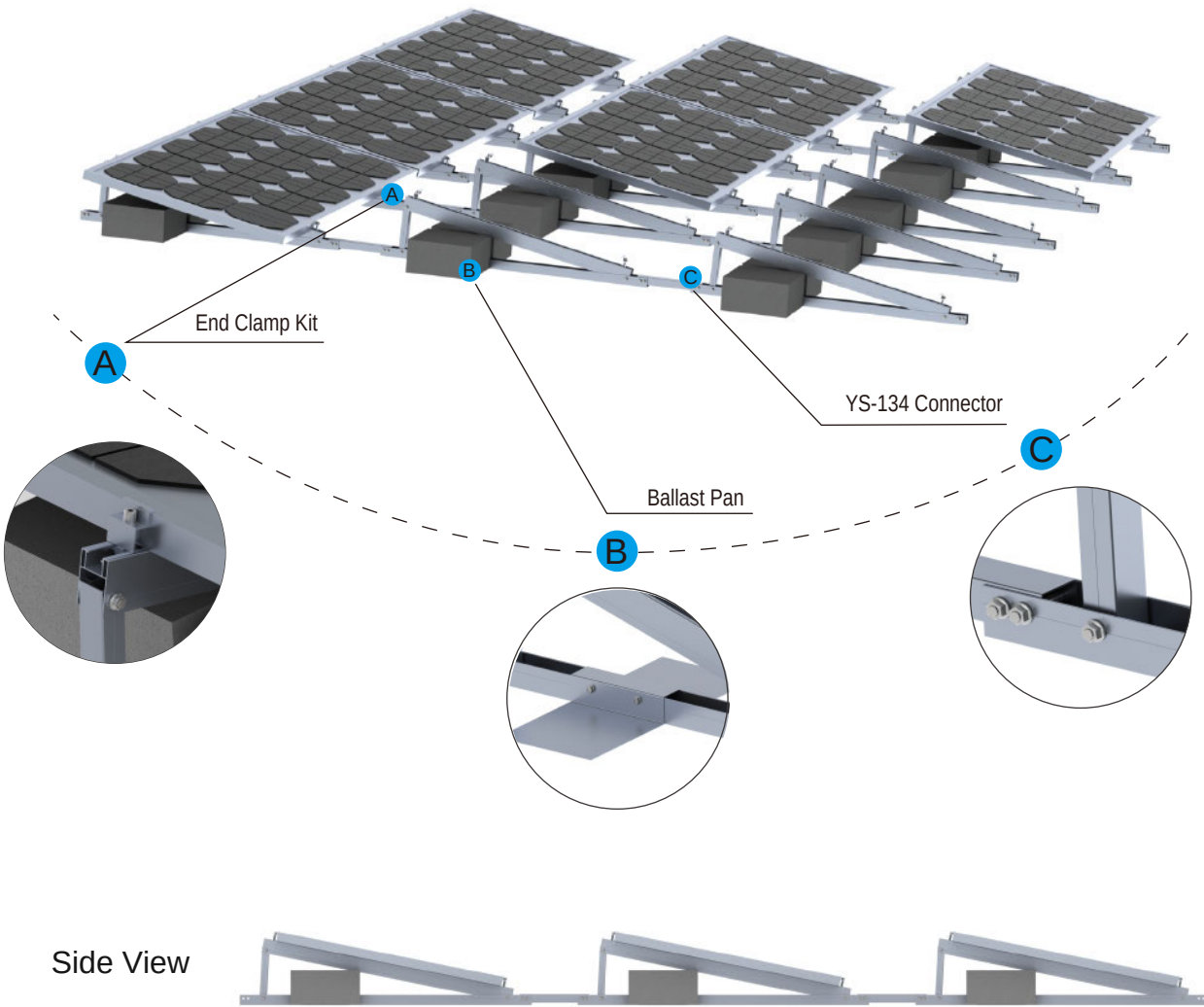


GROUNDING PARTS

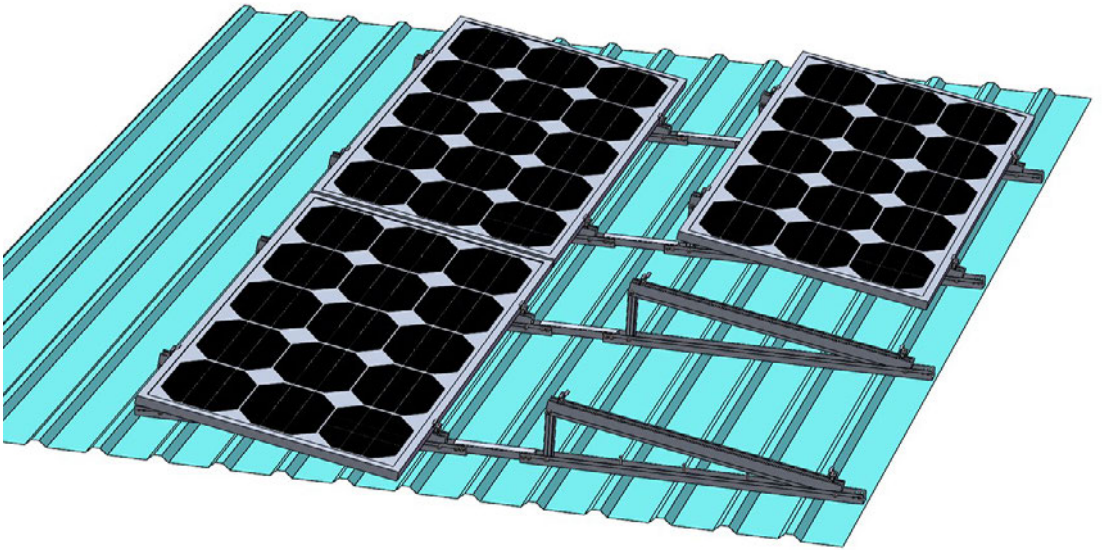
Grounding Lug
YS-GL-Z : For electricity conductive.

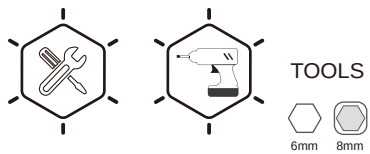
Grounding Washer
YS-GW-04: Pierce anodization
coating through its teeth for
electricity conductive.

Structure Details



Metal Roof Application





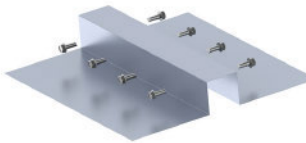
End Clamp Kit
YS-EC1-35Z

For different module frame heights
Mill finished or black
Pre-assembled



Ballast Pan
YS-53-TP

User-friendly installation.



Connector
YS-134

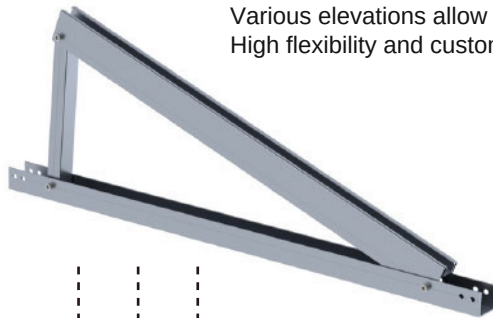
External connector in various lengths.



Ballast system has fixed angle and adjustable angle options:

1. Fixed Angle System

Various elevations allow flexible use by cutting support frame.
High flexibility and customized solutions.



Package

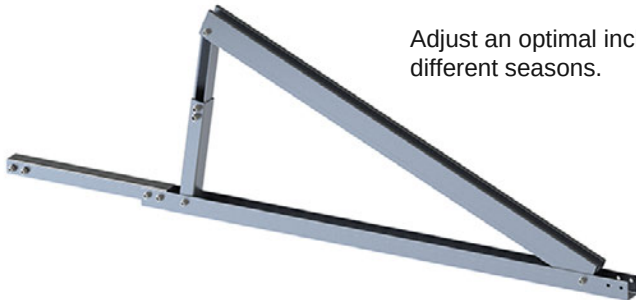


Pre-assembled Bracket

2. Adjustable Angle System

Various elevations allow flexible use by adjusting the inner
and outer support frames.

Adjust an optimal inclination to gain up power capacity in
different seasons.



PROJECT FOR
FLAT ROOF



Available For Flat Roof & Sloping Metal Roof/
Highly Pre-Assembly / Simple & Quick Installation /
Adjustable Tilt Angle /



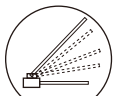
Flat Roof &
Sloping Metal Roof



Pre-Assembly

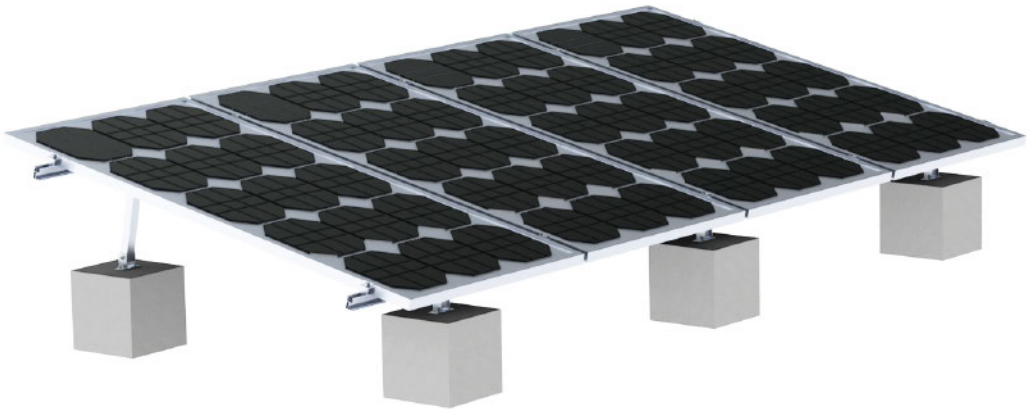


Quick Installation



Adjustable Tilt Angle

TP-4 (Flat Roof)



TECHNICAL DATA

RCC Flat Roof System TP-4

Application

Flat roofs≤5° Concrete,
Gravelled or Green Roofs
Trapezoidal Sheet Metal Roofs

Fastening Type

Expansion Bolt M8x80mm
Self-tapping Screw 6.3x80mm

Module Frame Height

25-50mm

Module Orientation

Portrait, Landscape

Inclination

10-15deg, 15-30deg, 25-45deg
or Customized

Material

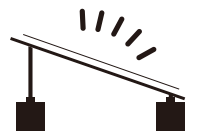
Aluminium EN AW-6005 T5
With 12-15um Anodization For Anti-Corrosion
Fasteners A2 Quality Stainless Steel 304/410

Standard

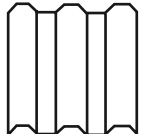
Japan JIS C 8955:2011
ASCE 7-10
Malaysian Standard 1553-2002
BS EN 1991-1-4-2005



Application:



Flat Roof

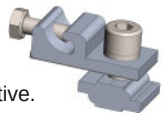


Metal Roof

GROUNDING PARTS

Grounding Lug

YS-GL-Z : For electricity conductive.

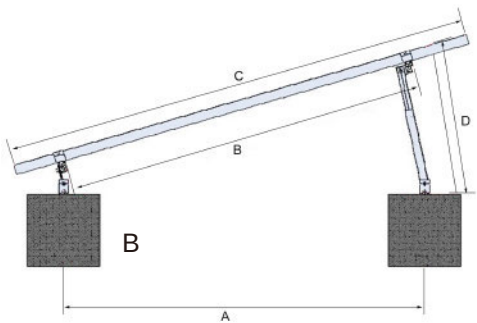
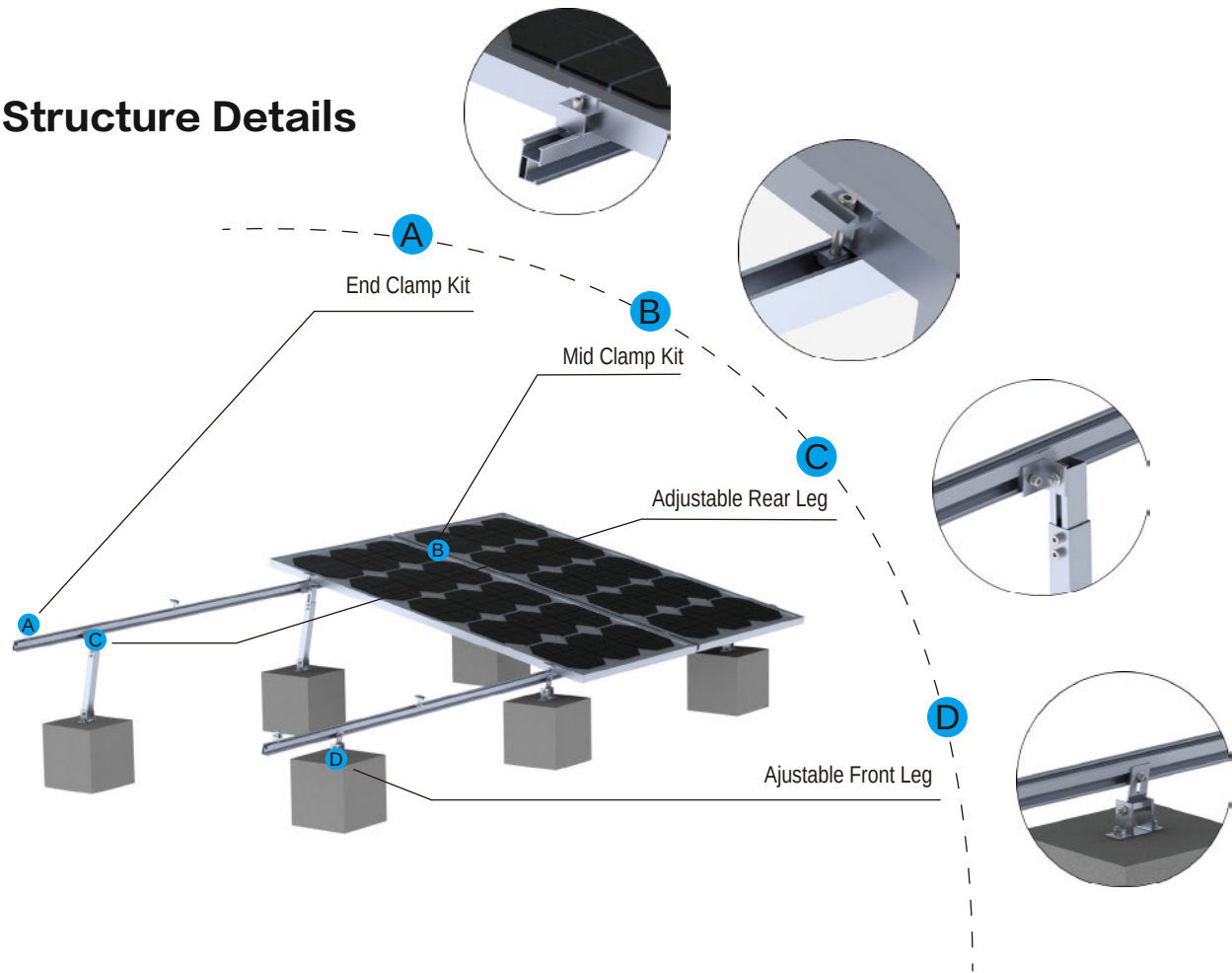


Grounding Washer

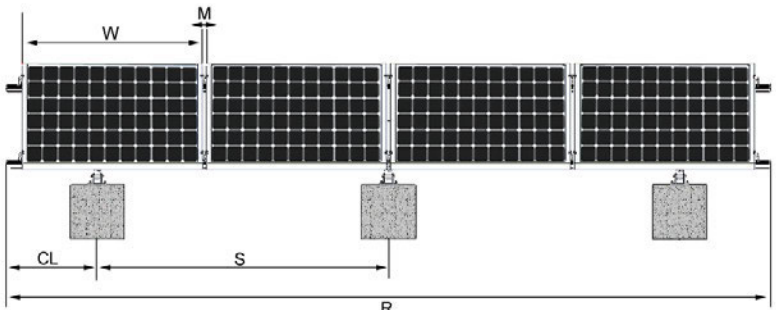
YS-GW-04: Pierce anodization
coating through its teeth for
electricity conductive.



Structure Details



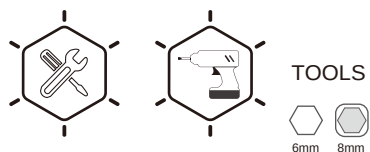
Side View



Front View

Structure Introduction

- A. Front and Rear space: 1200-1500mm
- B. Similar as "A"
- C. Module Length
- D. Adjustable Rear Leg: 10-15deg, 15-30deg, 25-45deg or Customized
- W. Width of Module
- M. Gaps of Mid Clamp
- S. Spacing of adjacent legs depends on static requirements like wind load and snow load
- R. Rail Total Length
- CL. Cantilever Length



End Clamp Kit
YS-EC1-35Z
For different module frame heights
Mill finished or black
Pre-assembled



Mid Clamp Kit
YS-MC1-35Z
For different module frame heights
Mill finished or black
Pre-assembled



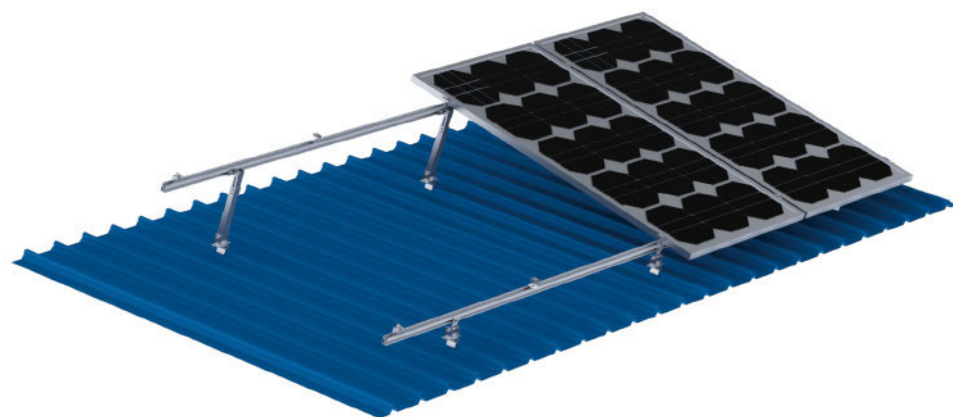
Rail
YS-147
Rail in various lengths



Rail Splice Kit:
YS-06-Z
Internal connectors



TP-4 (Sloping Metal Roof)



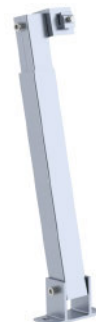
Fixed Rear Leg
YS-RL

Anchoring the leg base on flat concrete block or floor directly.
Or fixing it on the trapezoidal roof.



Adjustable Rear Leg
YS-ARL

Various elevations allow flexible use
by adjusting the inner and outer
support frames.



Ajustable Front Leg
YS-AFL

Anchoring the leg base on flat concrete block or floor directly.
Or fixing it on the trapezoidal roof.



PROJECT FOR
FLAT ROOF



East-West Solution / Easy Installation /
Component-Optimized / Less Expensive



East-West
Solution



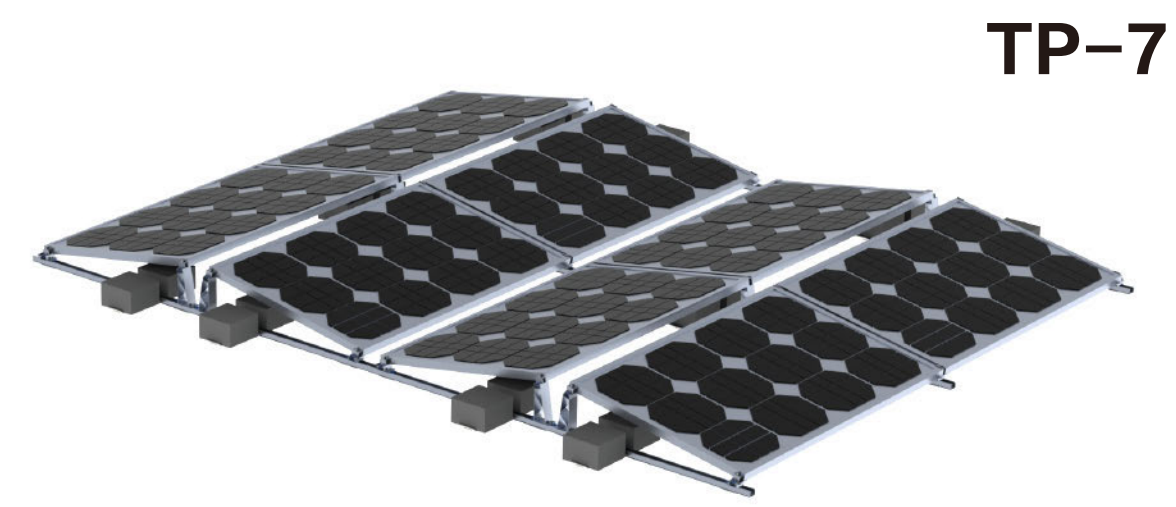
Easy Installation



Component-Optimized



Less Expensive



TP-7

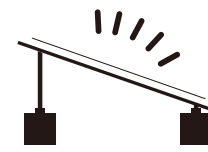
TECHNICAL DATA

Flat Roof Ballast System TP-7	
Application Flat roofs≤5°Concrete, Gravelled or Green Roofs Trapezoidal Sheet Metal Roofs With Continuous Mounting Rails	Fastening Type Concrete Ballasted And No Roof Penetration
Module Frame Height 25-50mm	Module Orientation Landscape
Inclination	10deg
Material	Aluminium EN AW-6005 T5 With 12-15um Anodization For Anti-Corrosion Fasteners A2 Quality Stainless Steel 304/410
Standard	Japan JIS C 8955:2011 ASCE 7-10 Malaysian Standard 1553-2002 BS EN 1991-1-4-2005

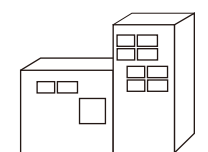
YEARS
12
WARRANTY

YEARS
25
SERVICE LIFE

Application:



Flat Roof

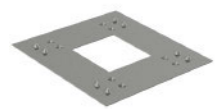


Gravel Roof

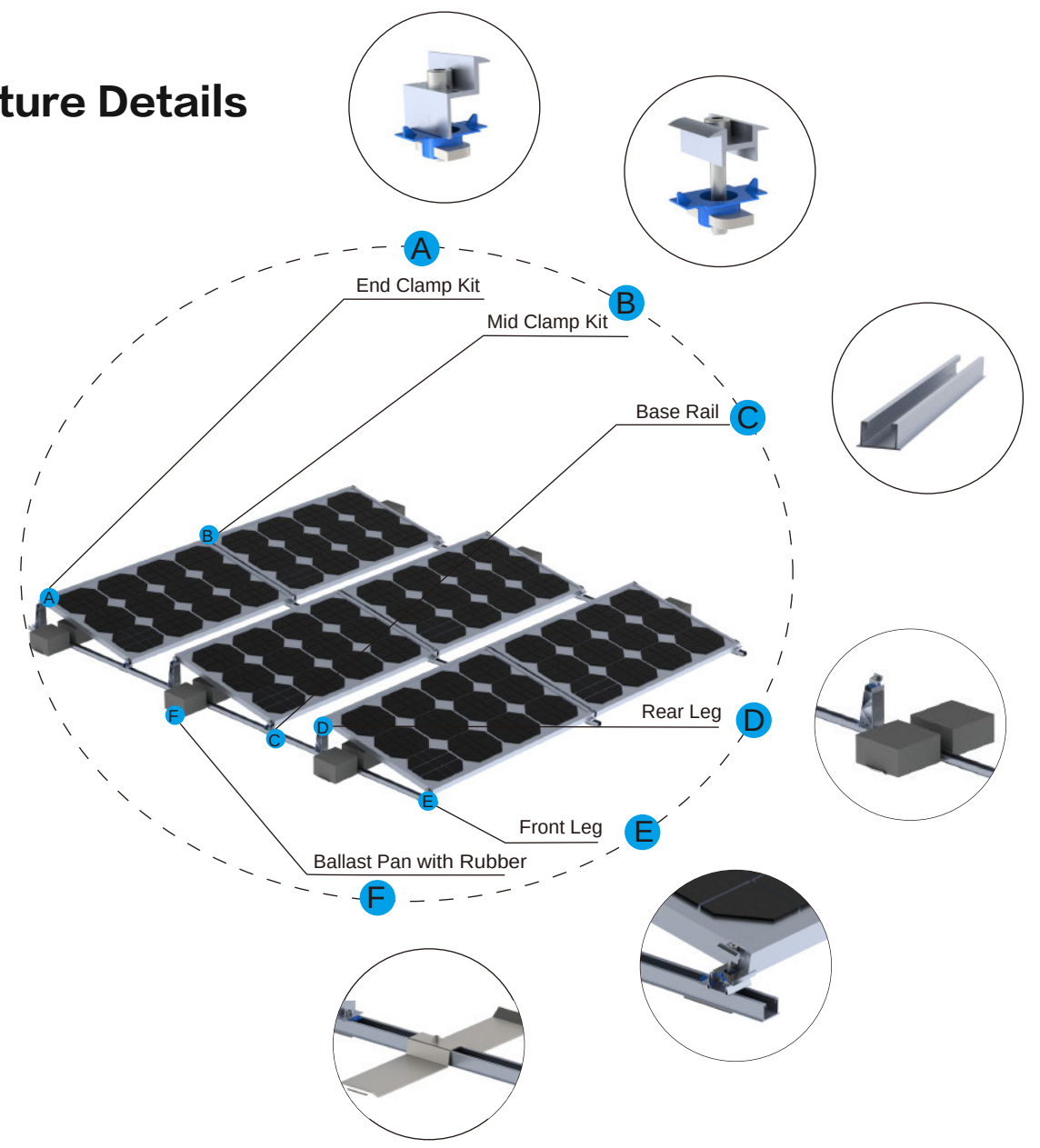
GROUNDING PARTS

Grounding Washer

YS-GW-01: Pierce anodization coatingthrough its teeth for electricity conductive.



Structure Details



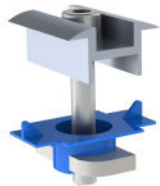
South-Oriented Solution



End Clamp Kit
YS-EC1-35S
For different module frame heights
Mill finished or black
Pre-assembled.



Mid Clamp Kit
YS-MC1-35S
For different module frame heights
Mill finished or black
Pre-assembled.



Front Leg
YS-202
Clamping at the short module side permitted.



Ballast Pan
YS-53-TP
Simplified installation.



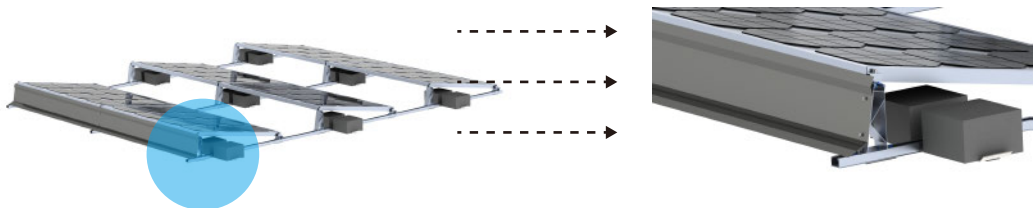
East / West-Oriented Solution

Double alignment for maximum surface use.



side View

Wind Deflector for Severe Weather Area



Base Rail
YS-200
Rail in various lengths.



Rear Leg
YS-203
Clamping at the short module side permitted.
No roof penetration.



PROJECT FOR FLAT ROOF





MOUNTING

GROUND

INTELLIGENT
MOUNTING
SOLUTION



SGS **CE**

Available For Severe Weather Area/
Corrosion Resistance / Easy Installation



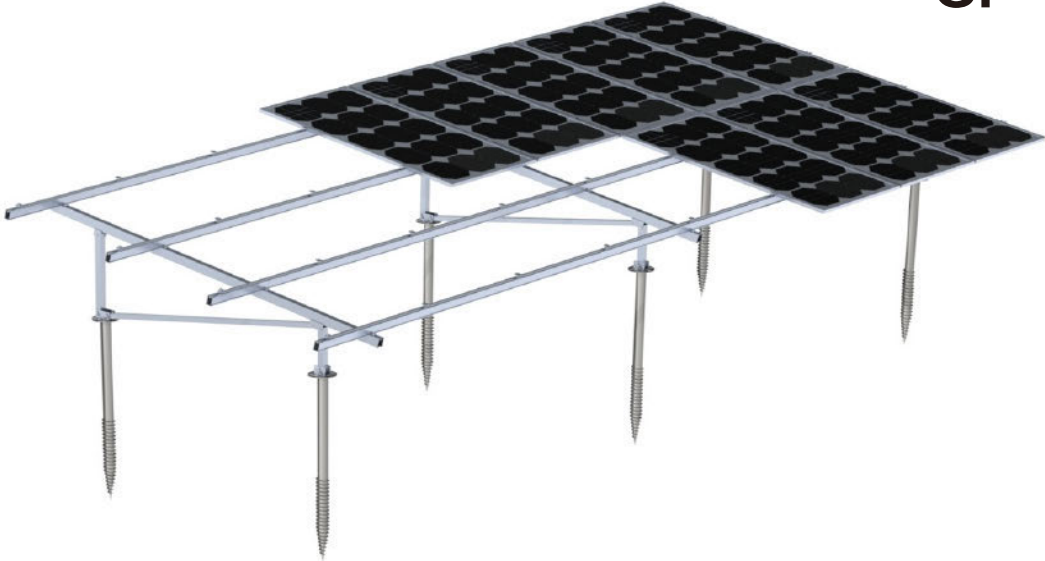
Available For Severe



Anti-Corrosion
Performance



Easy Installation



GP-2S

TECHNICAL DATA

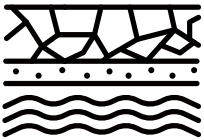
Aluminum Ground System GP-2S

Application Ground / Open Field	Foundation Type Fastened with Ground Screw Anchored into Concrete Block
Module Frame Height 25-50mm	Module Orientation Portrait, Landscape
Tilt Angles 0 – 60deg	Ground Clearance ≤3000mm
Material	Aluminium EN AW-6005 T5 With 12-15um Anodization For Anti-Corrosion Fasteners A2 Quality Stainless Steel 304/410 Q235 Hot dip galvanized
Standard	Japan JIS C 8955:2011 ASCE 7-10 Malaysian Standard 1553-2002 BS EN 1991-1-4:2005

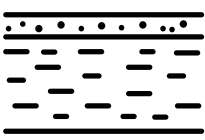
YEARS
12
WARRANTY

YEARS
25
SERVICE LIFE

Application:



Ground



Open Field

GROUNDING PARTS

Grounding Lug
YS-GL-Y : For electricity conductive.



Grounding Washer
YS-GW-05: Pierce anodization
coating through its teeth for
electricity conductive.





TOOLS
 6mm
 8mm

End Clamp Kit
YS-EC1-35Y
For different module frame heights
Mill finished or black
Pre-assembled



Mid Clamp Kit
YS-MC1-35Y
For different module frame heights
Mill finished or black
Pre-assembled



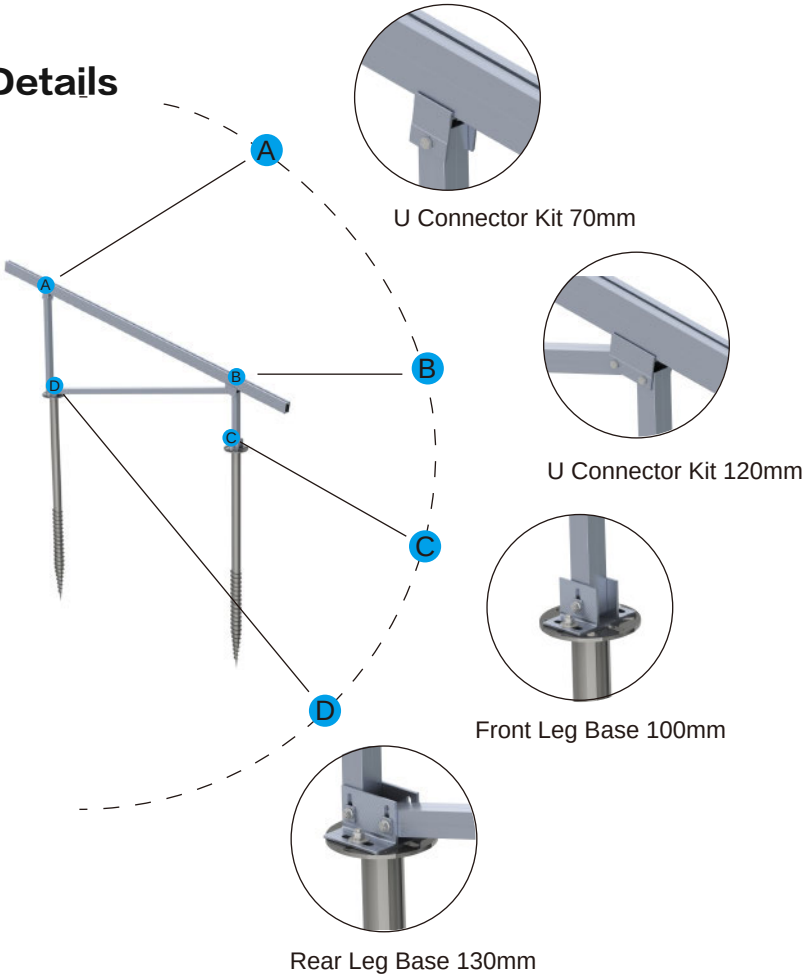
Rail
YS-19
Rail in various lengths



Fixing Clamp Kit
YS-FC-01Y
Fix rail to the support frame.



Structure Details

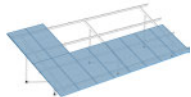
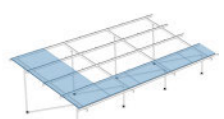


Features


A Type: Ground Clearance ≤ 300mm


N Type: Ground Clearance ≥ 600mm


W Type: Severe Weather Area

Configuration	Array
2 Portrait	
3 Landscape	
4 Landscape	



TOOLS



Rail Splice Kit

YS-20-Z
Internal connectors.



Fixing Component

YS-17
Fix across bar on the back of leg for severe weather condition.



Diagonal Brace

YS-08
Use as front/rear leg in various lengths.



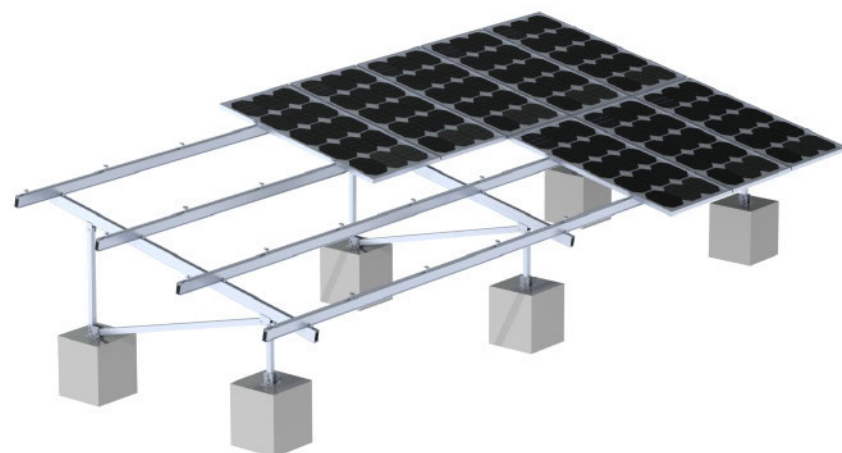
Ground Screw

YS-GS
Ground Screw in various types and lengths for different kinds of soil.



Foundation Type

The ground screws can be replaced by concrete block with anchor bolts.



Support Rack Kit

YS-12
Pre-assembled support rack can be built quickly and efficiently.



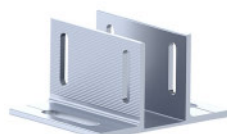
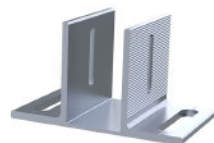
Leg Base

Fixing legs on ground screws or concrete blocks.

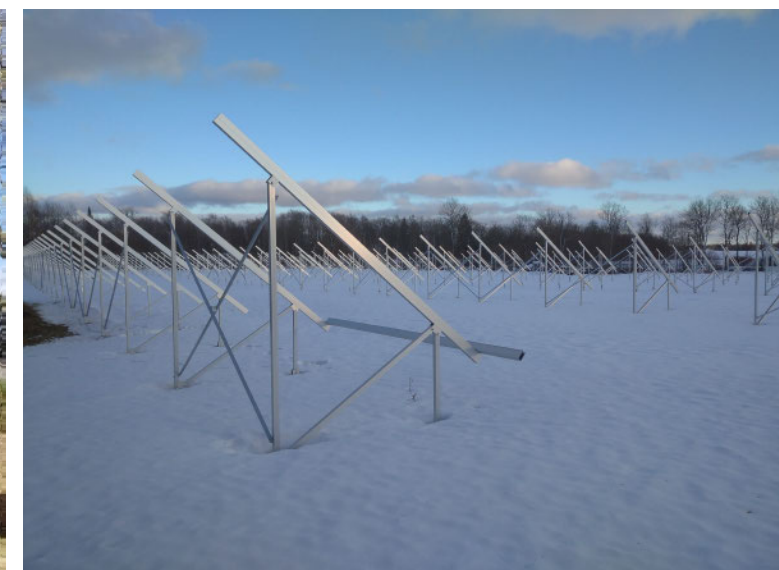
Base-Front

YS-11

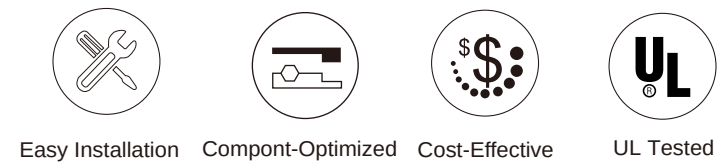
Base-Rear



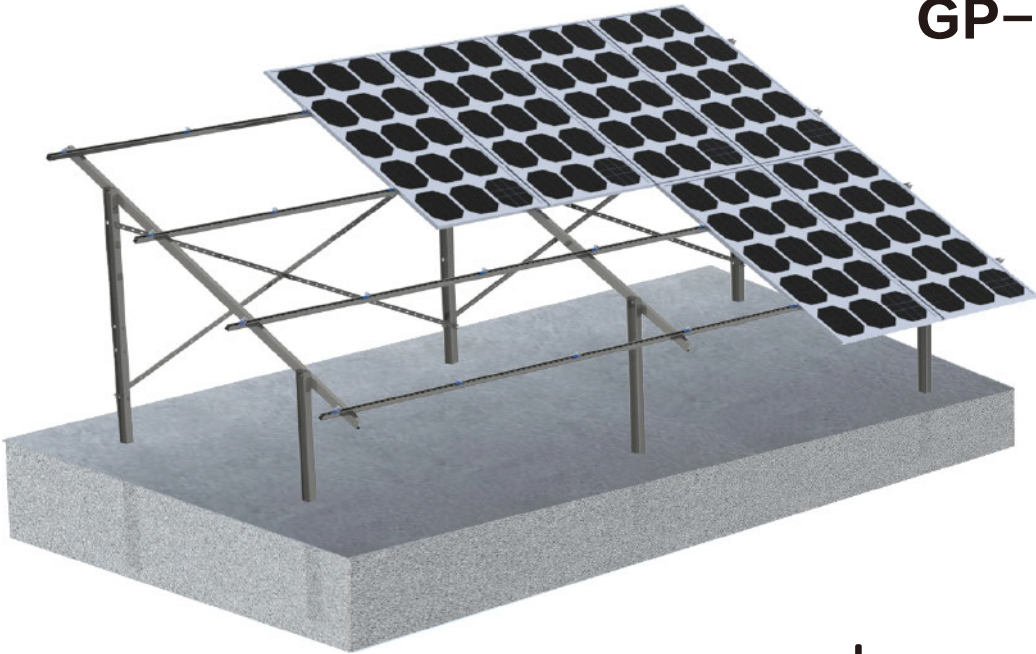
PROJECT FOR GROUND



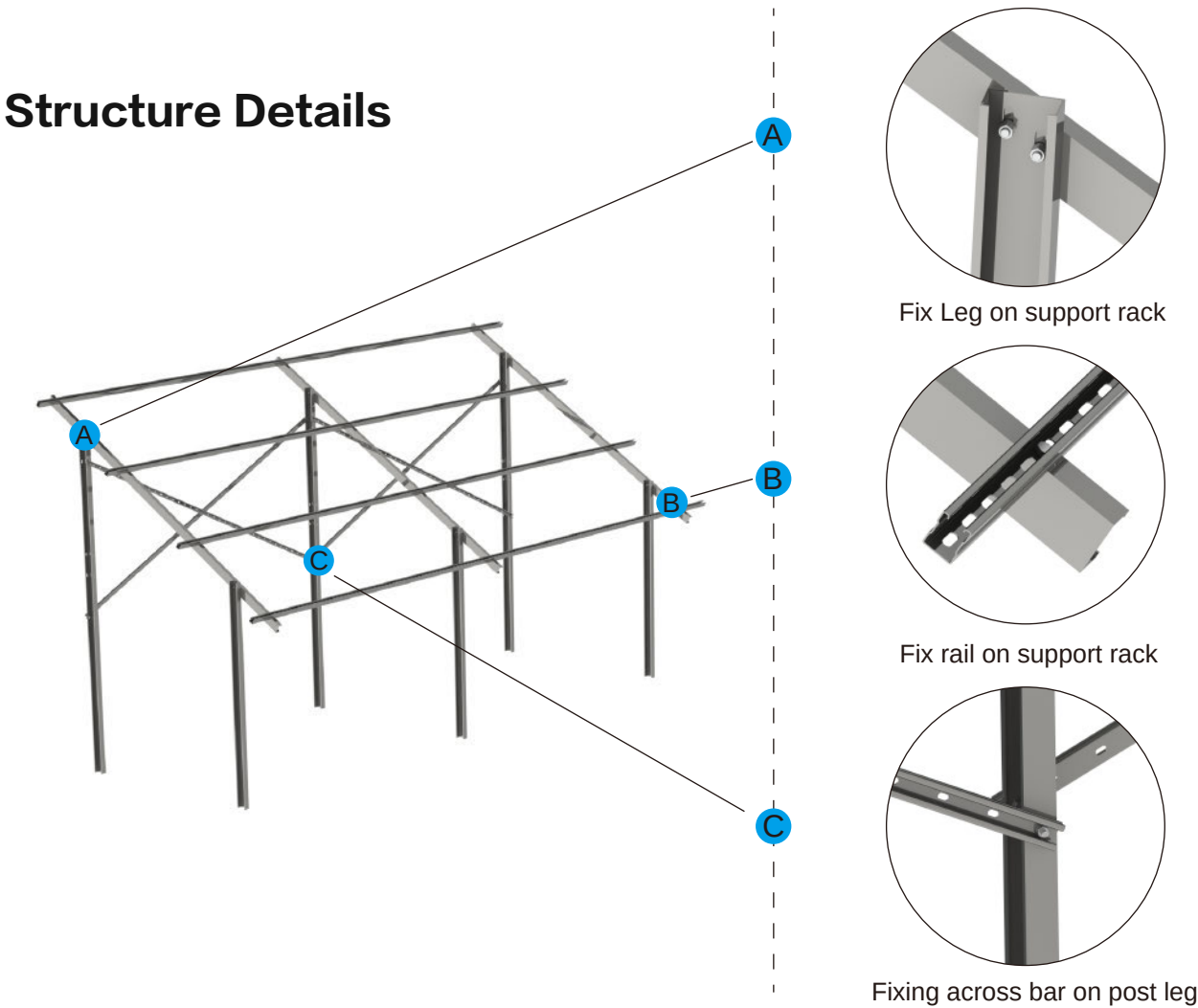
Easy Installation / Components-Optimized
Cost-Effective / UL Tested



GP-3C



Structure Details



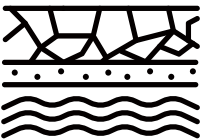
TECHNICAL DATA

Steel Pile Hammer Ground Mount System GP-3C

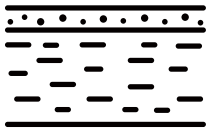
Application Ground / Open Field	Foundation Type Hammer Post / Pile Post
Module Frame Height 25-50mm	Module Orientation Portrait, Landscape
Tilt Angles 0 – 60deg	Ground Clearance ≤3000mm
Material	Q235 Steel Hot dip Galvanized 80+μm Thickness Fasteners A2 Quality Stainless Steel 304
Standard	Japan JIS C 8955:2011 ASCE 7-10 Malaysian Standard 1553-2002 BS EN 1991-1-4:2005



Application:



Ground

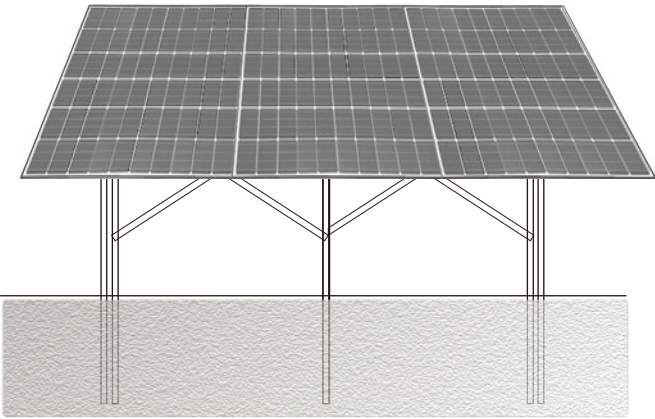
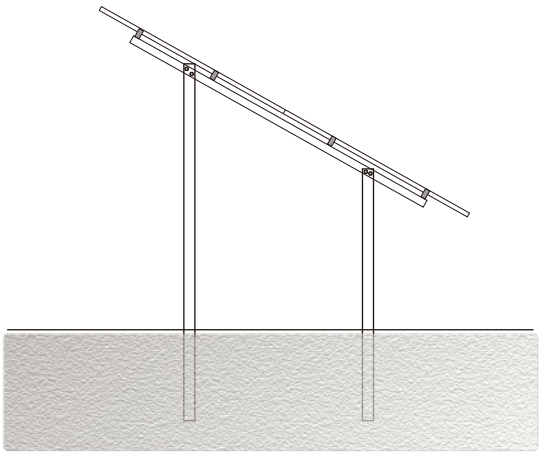


Open Field

Configuration	Array
2 Portrait	
3 Landscape	
4 Landscape	

Advantages: Post can be Directly Pile into the Soil.

The use of ramming post eliminates the need for additional excavation works. The pile driven machine reduces labour and time remarkably on site.








YS-EC1-35S

For different module frame heights
Mill finished or black
Pre-assembled



YS-MC1-35S

For different module frame heights
Mill finished or black
Pre-assembled



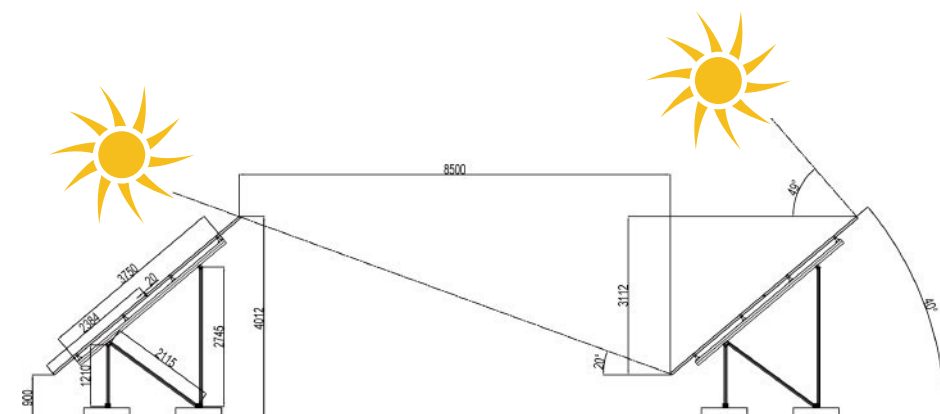
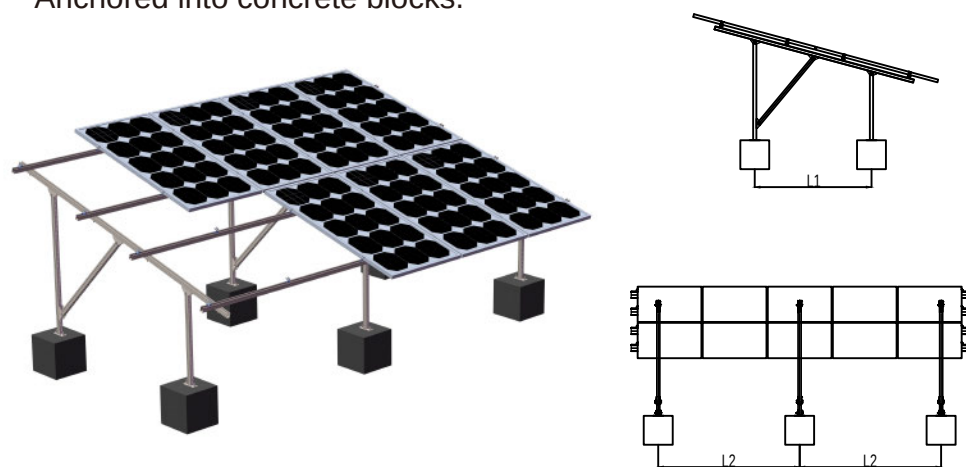
YS-TG-P

Drill into ground and fix support rack
Or anchored into concrete blocks.



Anchored into concrete blocks.

Anchored into concrete blocks.



When installing a photovoltaic system, it is necessary to correctly position the successive rows of the photovoltaic system. Each of the modules placed at an optimal angle to the incidence of sunlight casts a shadow. In order to maximize the efficiency of solar panels, it is necessary to keep spacing in such a way that there is no mutual shading of successive rows of modules.

YS-TG-S _____

External connector.



YS-TG-01

Rail in various lengths.



— YS-TG-C

Fix across bar on the back
of leg for severe weather condition.





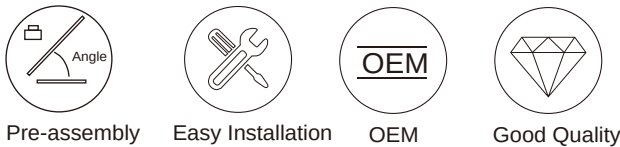
MOUNTING

CARPORT

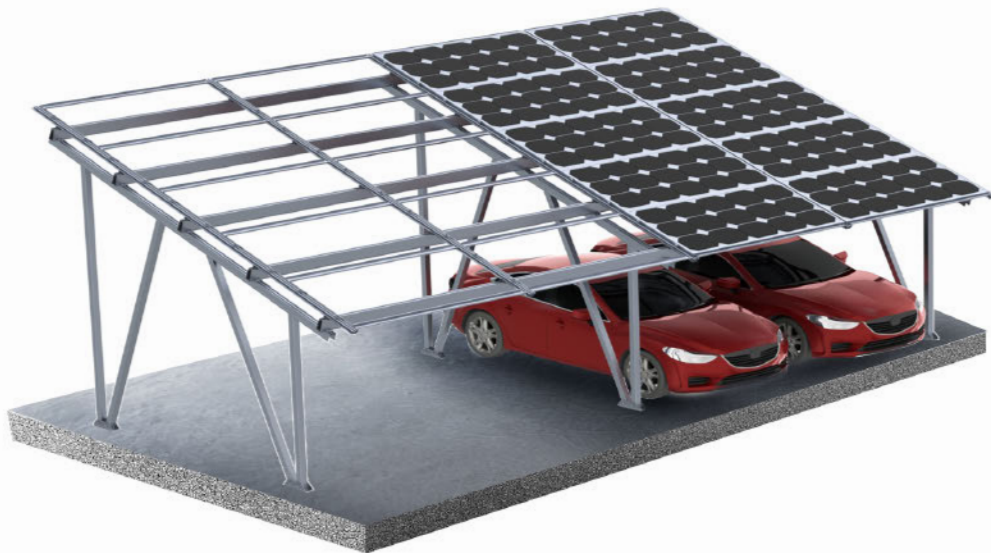
INTELLIGENT
MOUNTING
SOLUTION



Highly Pre-Assembly / Easy Installation /
OEM Services / Good Quality



CL-01



TECHNICAL DATA

Aluminum BIPV Waterproof Carport System CL-01

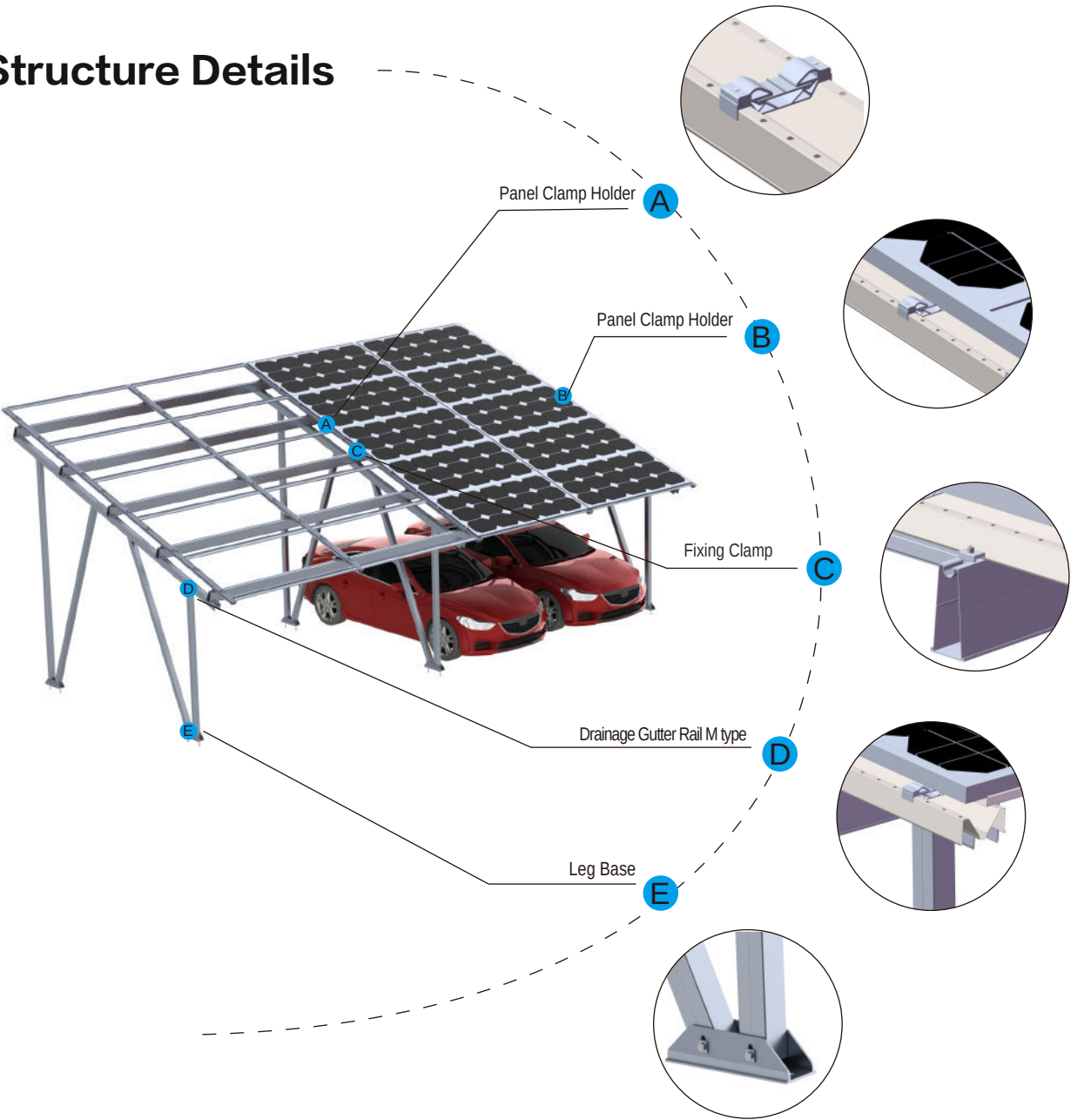
Application	Foundation
Parking Lot, Walkway, Entrance	Anchored into Concrete Block
Tilt Angles	Module Orientation
5°-15°	Portrait, Landscape
Ground Clearance	Span Length
2000mm - 4000mm	2500mm~5500mm
Material	Aluminium EN AW-6005 T5 Fasteners A2 Quality Stainless Steel 304
Standard	Japan JIS C 8955:2011 ASCE 7-10 Malaysian Standard 1553-2002 BS EN 1991-1-4-2005



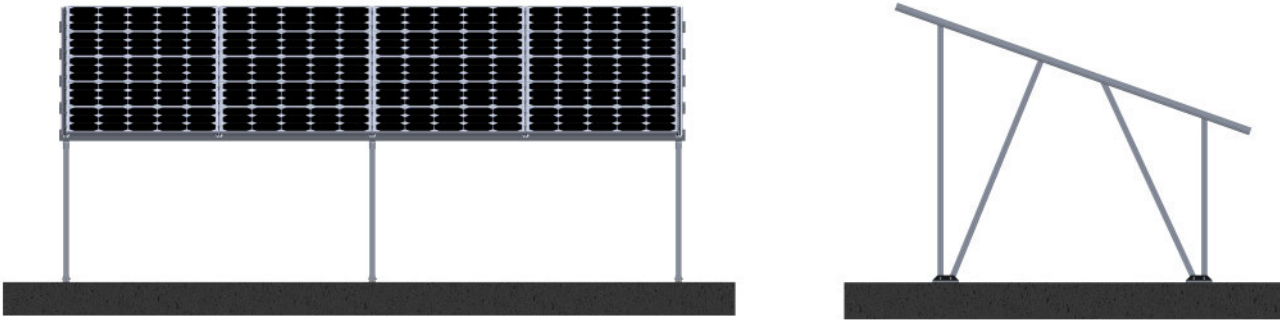
Application:



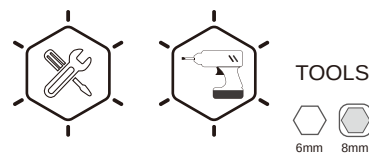
Structure Details



Features



Stylish car parking and electric charging station in front of your door. Effectively using existing parking space to protect your car from the influence of weather. It's streamlined design makes it the ideal choice for presenting environmentally friendly images or acting as a charging station for electric vehicles.



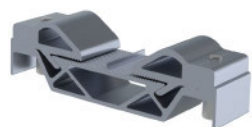
TOOLS



Panel Clamp Holder

YS-FC-15

Fixing the panels by clamp holder on the panel frame.



Rail

YS-26

Support the vertical drainage gutter rail.



Support Rack

YS-24

Support the rail YS-26.



Fixing Clamp Kit

YS-FC-14Y

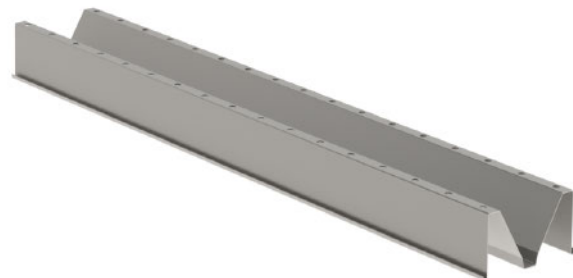
Fixing M type drainage gutter rail to support rack.



M type Drainage Gutter Rail

YS-WDT

For drainage & waterproof.



U type Drainage Gutter Rail

YS-CDT

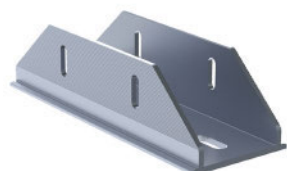
For drainage & waterproof.



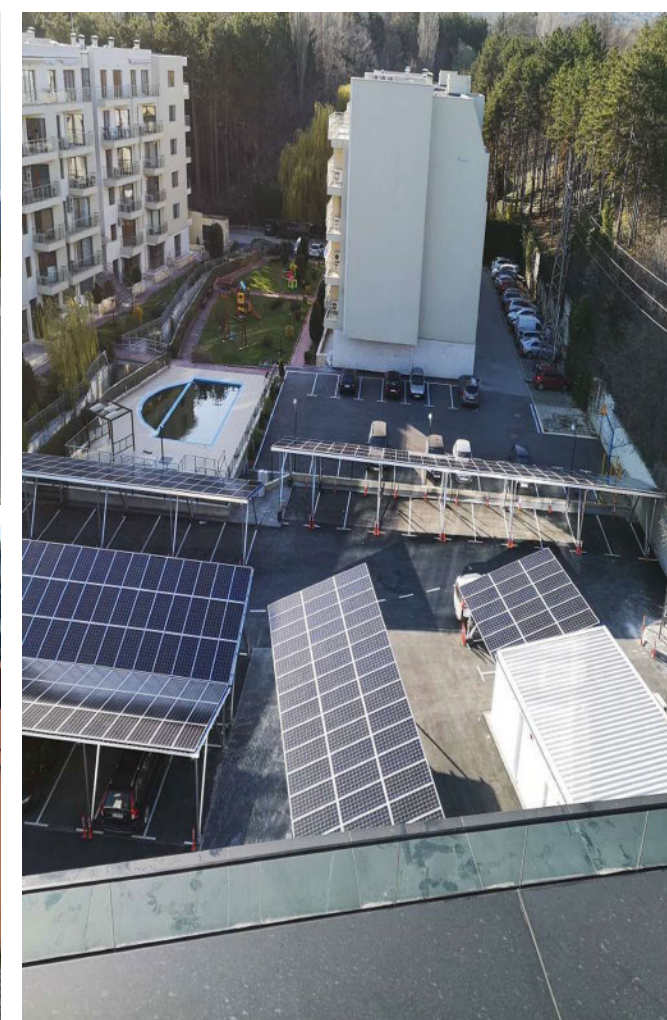
Leg Base

YS-25

Fix front / rear leg on the base.
Anchor it on concrete block by anchor bolt.



PROJECT FOR CARPORT



Good Strength / Easy Installation /
OEM / Steady and Safety / UL Tested



Good strength



Easy Installation



OEM

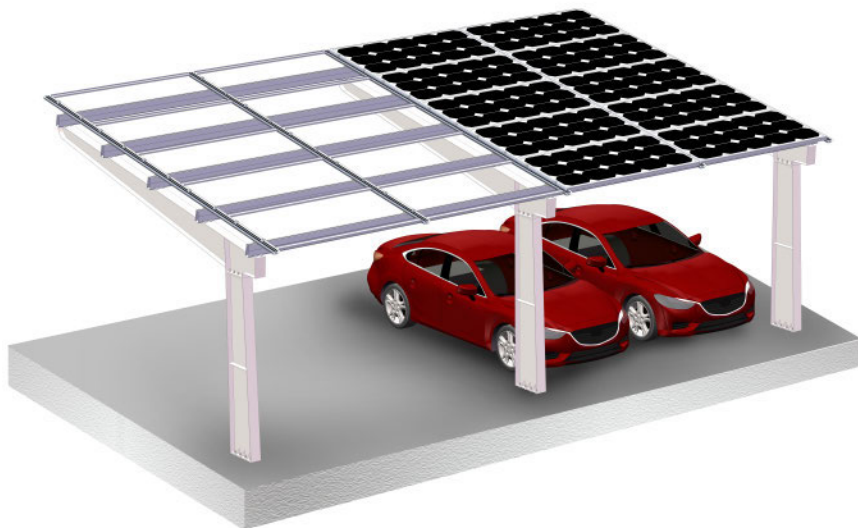


Steady and Safety



UL Tested

CL-03



TECHNICAL DATA

Steel BIPV Waterproof Carport System CL-03	
Application Parking Lot, Walkway, Entrance	Foundation Anchored into Concrete Block
Tilt Angles 5°-15°	Module Orientation Portrait, Landscape
Ground Clearance 2000mm - 4000mm	Span Length 2500mm~5500mm
Material	Aluminium EN AW-6005 T5 Q235 Steel Galvanized With 80μ Thickness Fasteners A2 Quality Stainless Steel 304
Standard	Japan JIS C 8955:2011 ASCE 7-10 Malaysian Standard 1553-2002 BS EN 1991-1-4-2005

Tests	Bonding Path Resistance Test
Standard/Clause	UL 2703:2015 Ed.1+R:24Mar2021 Cl.13

Tests	Bonding Conductor Test
Standard/Clause	UL 2703:2015 Ed.1+R:24Mar2021 Cl.22

YEARS
12
WARRANTY

YEARS
25
SERVICE LIFE

Application:



Parking Lot

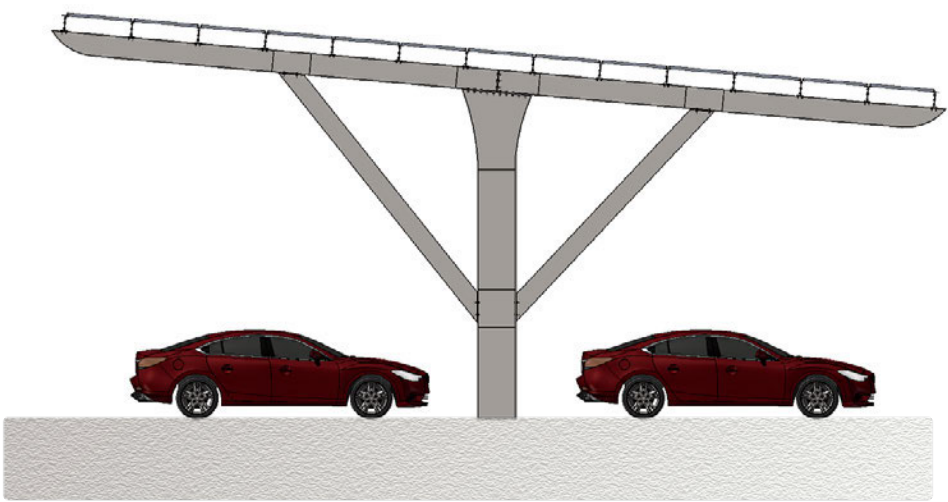
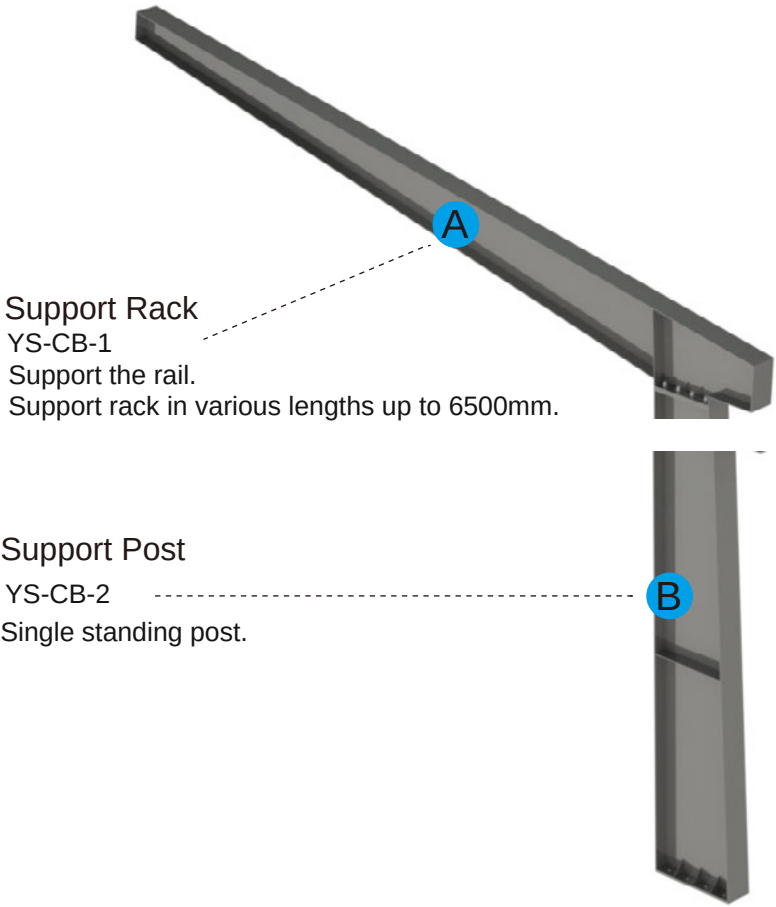


Walkway



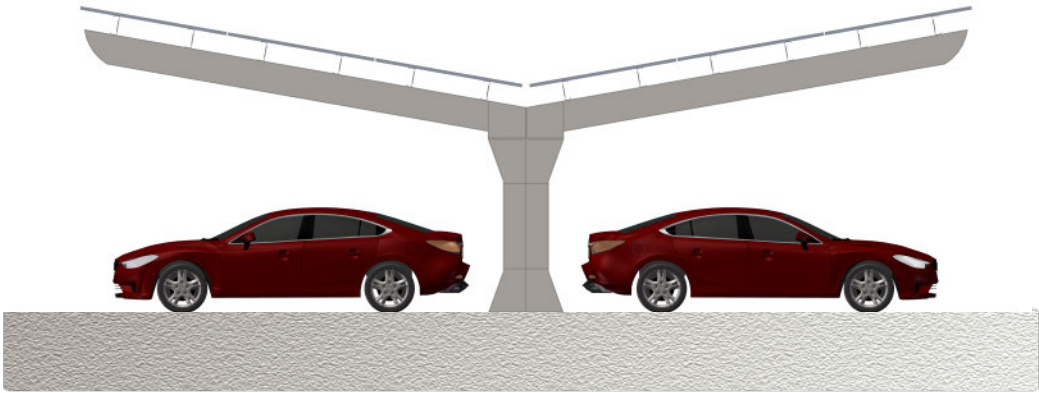
Entrance

Structure Details



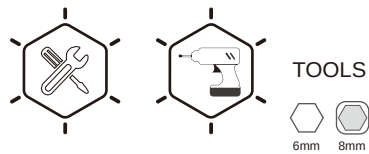
Type A

Support rack in various lengths up to 7000mm each side.



Type B

Support rack in various lengths up to 7000mm each side.



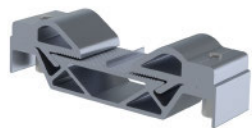
TOOLS



Panel Clamp Holder

YS-FC-15

Fixing the panels by clamp holder on the panel frame.



Fixing Clamp Kit

YS-FC-14Y

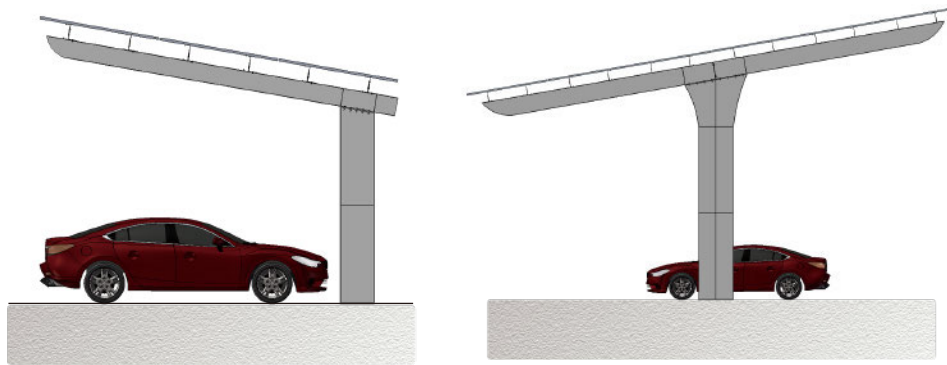
Fixing M type drainage gutter rail to support rack.



Rail

YS-26

Support the vertical drainage gutter rail.



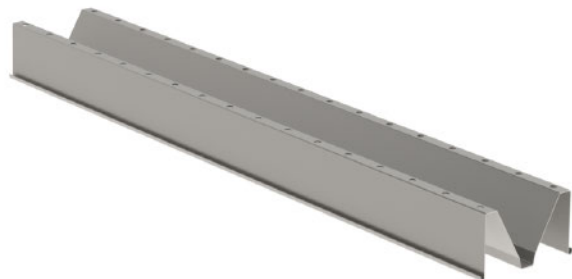
Type C

Type D

M type Drainage Gutter Rail

YS-WDT

For drainage & waterproof.



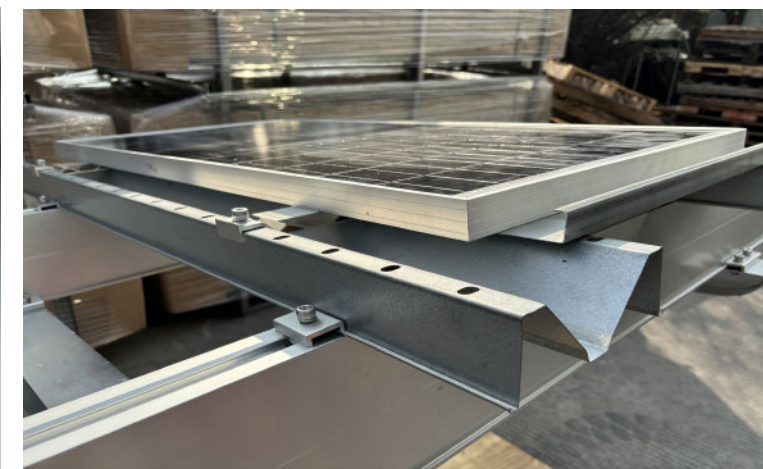
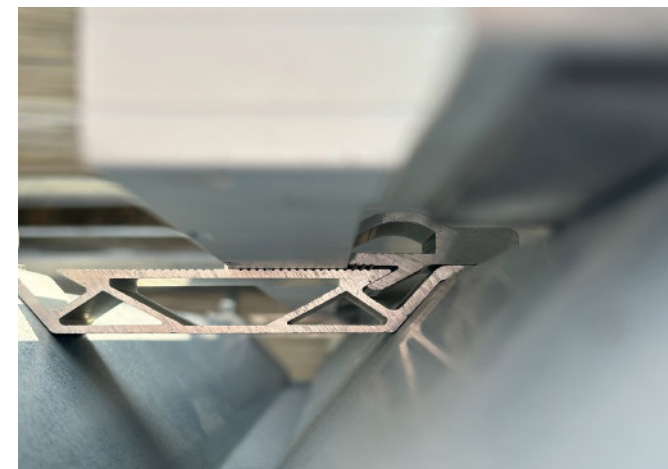
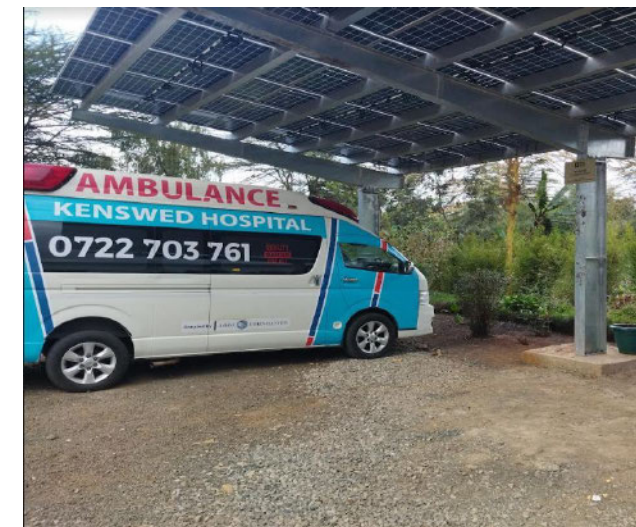
U type Drainage Gutter Rail

YS-CDT

For drainage & waterproof.



PROJECT FOR CARPORT





MOUNTING

I PARTS

INTELLIGENT
MOUNTING
SOLUTION



SGS



Ground Screw



TECHNICAL DATA

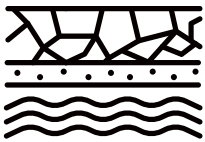
Ground Screw

Application All types of Soil	Pipe Material Q235 Steel
Pipe Thickness 2-4mm	Pipe Diameter 60-89mm
Surface Treatment Hot Dip Galvanized 80+μm Thickness	Pipe Length 1000-3500mm, Or Customized

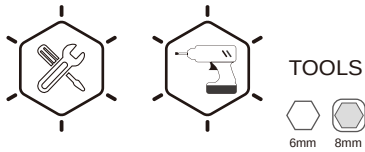


5 Years Limited Finish Warranty.
25 Years Service Life.

Application



Soil Ground

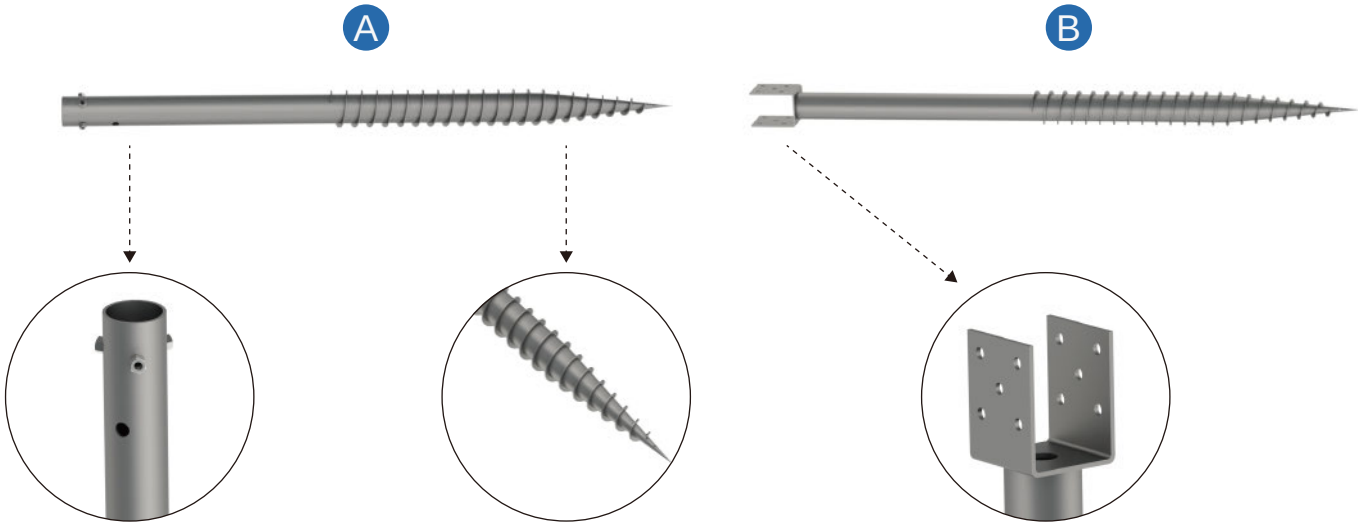


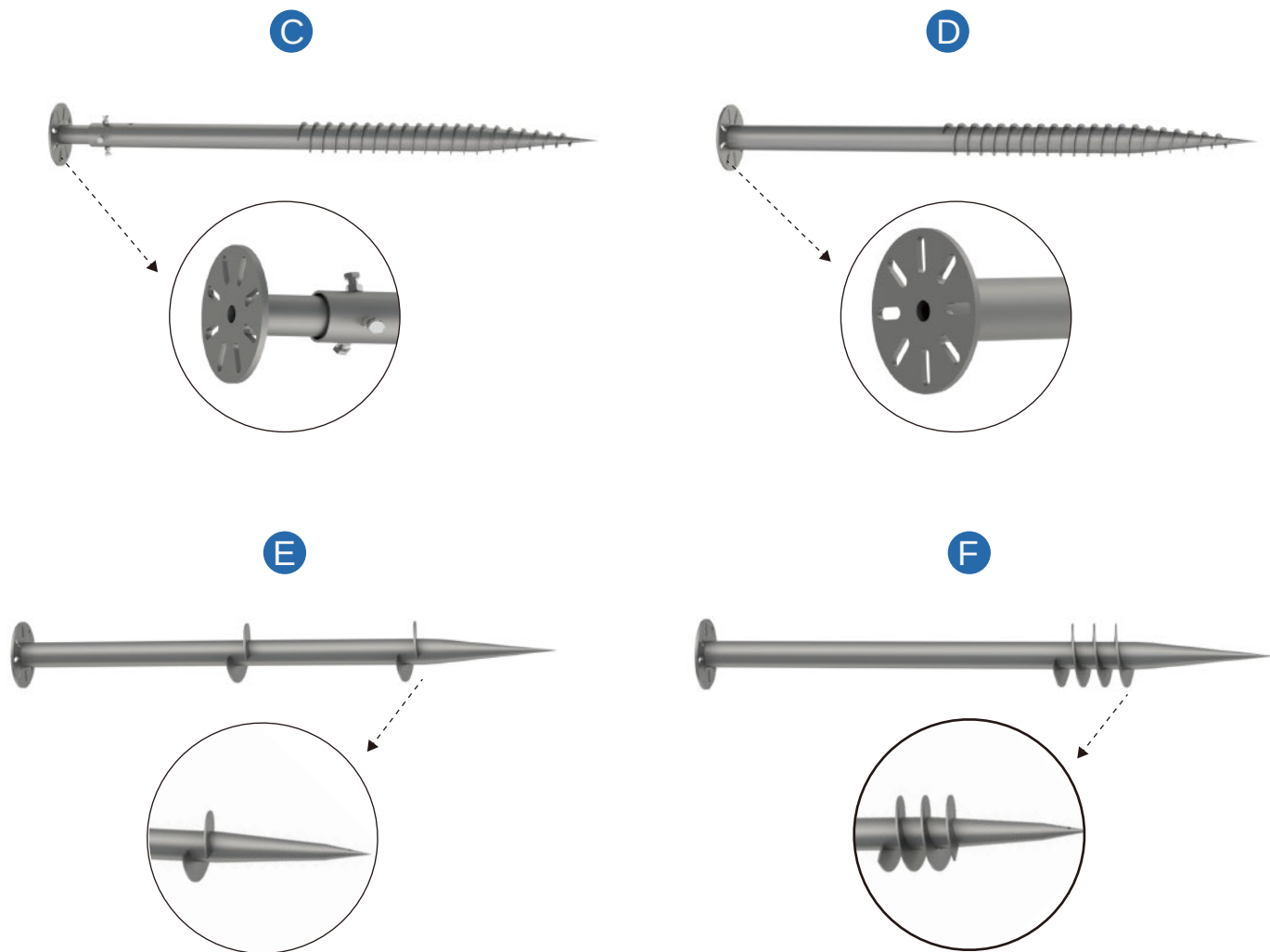
Technical Data

Solar Panel Spec			Array			WS m/s	Tilt°	QTY of piles	Result	
2279	1134	35	2	X	20	30	5	14	4153.4775	
Soil Load qpk (KPa)	Clay & Silt	Mucky Soil	Viscidty Loess	Silt	Fine-Silty Sand	medium sand	Coarse sand	Gravelly sand	Pudding stone	Gravel-cobblestone
	100	200	300	250	550	850	1400	1500	1800	2000
End Point Resistance Force Qpk (N)										
Soil Load qpk (KPa)	Clay & Silt	Mucky Soil	Viscidty Loess	Silt	Fine-Silty Sand	medium sand	Coarse sand	Gravelly sand	Pudding stone	Gravel-cobblestone
	12	20	21	24	22	53	76	60	58	92
Depth(mm)	Side ResistanceQsk at Different Depth (N)									
1600	3866	6443	6765	7731	7087	17073	24482	19328	18684	29636
1800	4129	7248	7610	8698	7973	19207	27542	21744	21019	33341
2000	4832	8053	8456	9664	8859	21341	30603	24160	23355	37045
2600	6282	10469	10993	12563	11516	27744	39783	31408	30361	48159
Depth(mm)	Ultimate Vertical Bearing Capacity of Ground Screw at Different Depth Quk (N)									
1600	5210	8809	9590	10609	10937	24553	35893	29828	30156	44602
1800	5539	9816	10647	11817	12044	27221	39718	32848	33075	49233
2000	6418	10822	11704	13025	13151	29888	43543	35868	35995	53864
2600	8230	13842	14875	16649	16473	37891	55019	44928	44753	67756

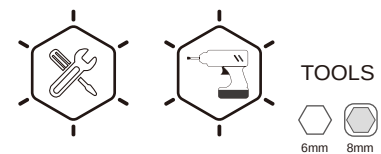
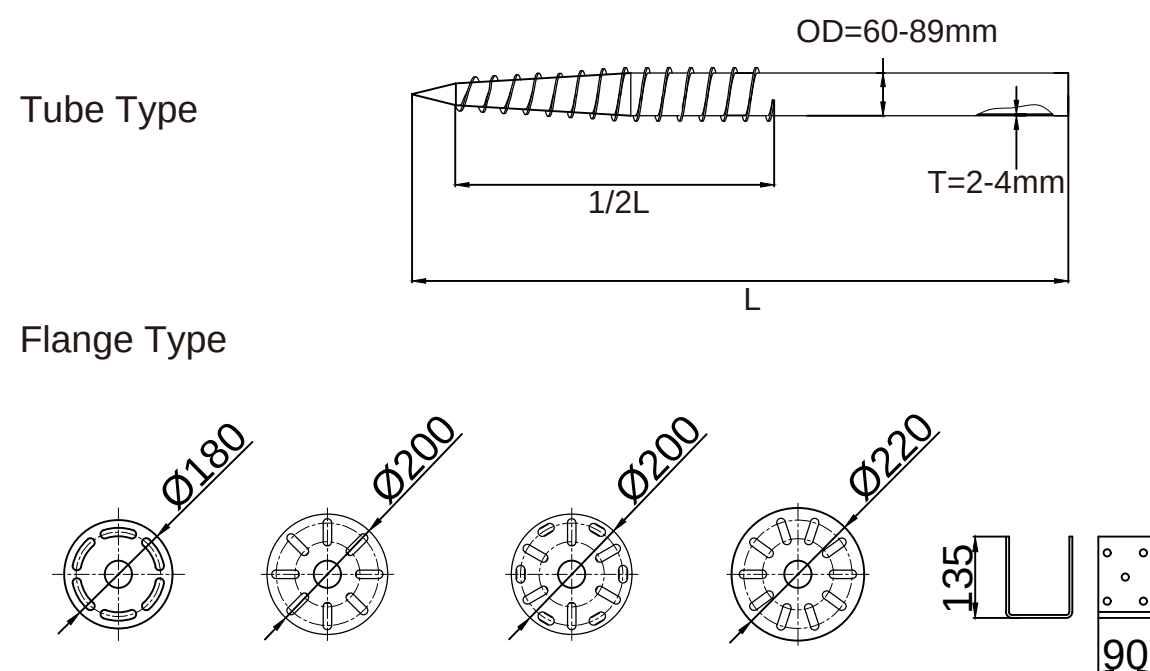
Remarks: «Technical Code for Building Pile Foundations JGJ 94-2008» Unit: mm N Kpa

Structure Details





Structure Introduction



Advantages



Easy Installation, Removal and Relocation:

It is effective and cost-savings as available for installation machines. It can be installed, removed and relocated than other foundation solutions easier and faster.



Steady and Safety:

Many kinds of types can be selected comply with the static load analysis and test to make sure the foundation is safe.



Widely Application:

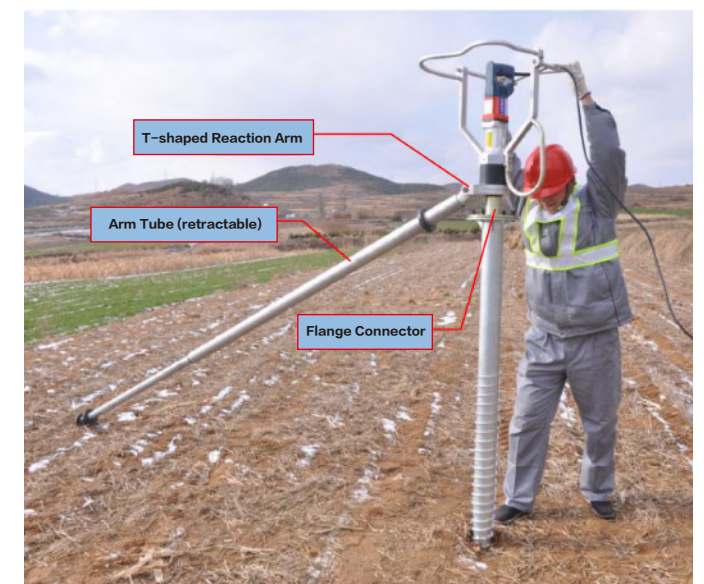
Different heads of screw piles will be adapted to meet the various needs of different customers.



Environmentally Friendly:

The surrounding areas will not be spoiled because no need of concrete base and without performing land preparation works during the insertion.

Portable Screwing Machine Set



Voltage (V)	Max current (A)	Max power (W)
230V	18A	4000W
Package	Frequency (HZ)	Max. torque (Nm)
Two Cartons	50HZ-60HZ	2000Nm / 4800Nm