



**SUNFO SON**  
Using SunRack, enjoying sunshine



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Using SunRack, enjoying sunshine

**SUNRACK SOLAR**  
SOLAR MOUNTING EXPERT

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Sunforson Power(Xiamen)Co.,Ltd

# COMPANY FILE

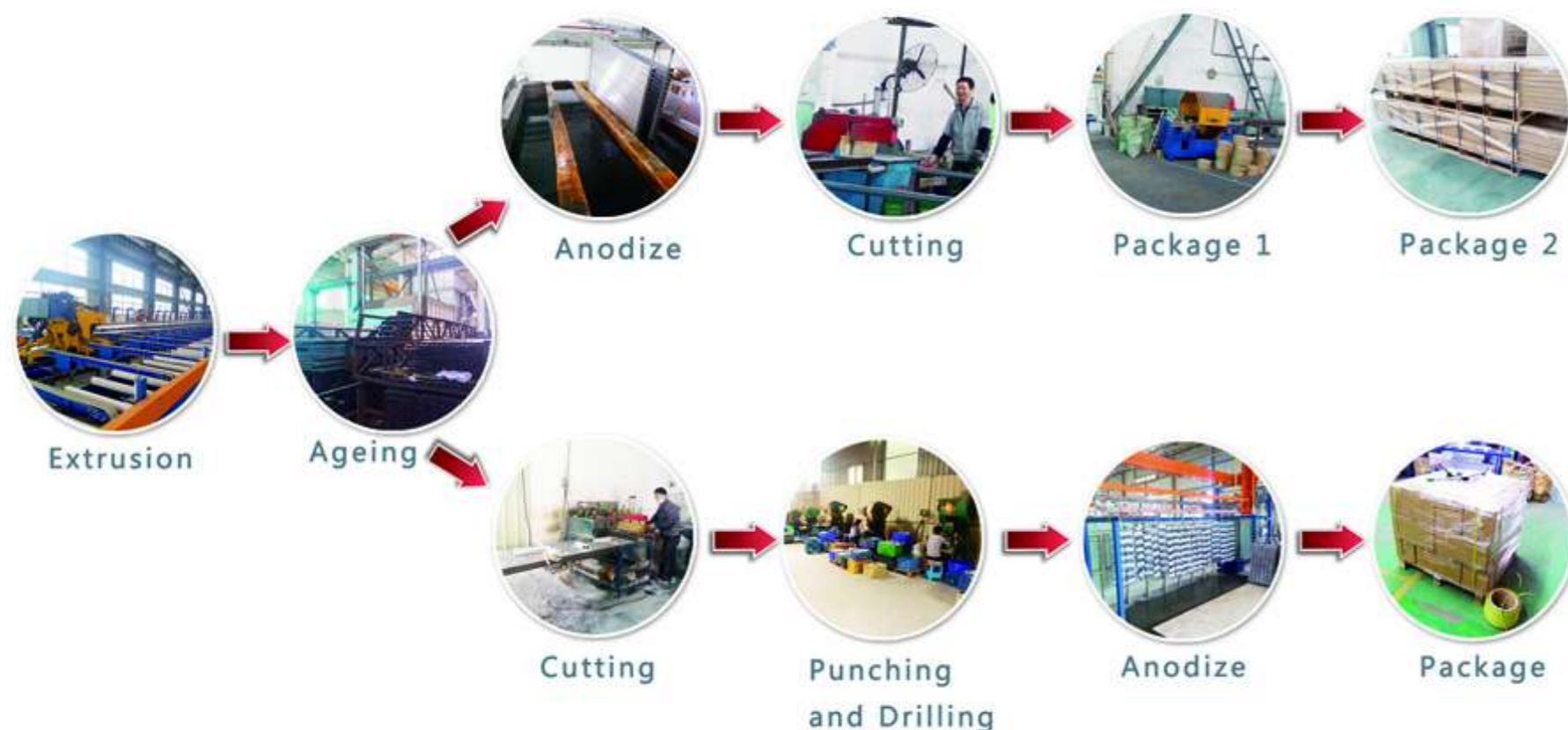
## Xiamen Sunforson Power Co.,Ltd

### About Sunforson









Sunforson is a leading solar mounting product supplier, specialized in developing and manufacturing SunRack brand solar mounting system including Sunrack BIPV, SunRack Carport, SunRack Roof, SunRack Ground etc. In order to provide fast installation and secure solar mountings, Sunforson has released a series of top level PV mounting systems to the market. Sunforson not only provides top quality and innovative products but also provides timely delivery, top grade services and comprehensive solutions for our valued customers.



### Production Process



# Catalogue

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# Sunrack

Fast and secure

## ABOUT SUNRACK

### Using SunRack,Enjoy Sunshine

### Why choose SunRack?

**Easy installation:**By innovative SunRack rail and G module, the installation process of photovoltaic modules is simple and fast with only a few components and minimal tools required.

**Great Flexibility:**With the SunRack Solar Mounting System, framed and frameless photovoltaic modules can be easily mounted on roofs and ground.

**Excellent Compatibility:**Designed as versatile racking system, SunRack Solar Mounting System can be widely applied on any module type.

**High Accuracy:** Without the need of on site cutting, the use of our unique rail extending allows the system to be installed with millimeter accuracy.

**Excellent Adaptability:**The height adjustment of the rails from Sunforson allows a level PV array to be established, no matter how uneven the roof and ground.

**Maximum Lifespan:**choosing high quality extruded aluminum and stainless steel

**Guaranteed Durability:**Sunforson mounting provides a guarantee of 10 years on the durability of components.

## PATENT&CERTIFICATE



Trademark



Patent



AS/NZS1170



AS/NZS 1170



CE for Flat Roof mount



CE for Car Park Mounting



CE for Flat Roof mount



CE for Pitched Roof Mount



CE for Ground Mount

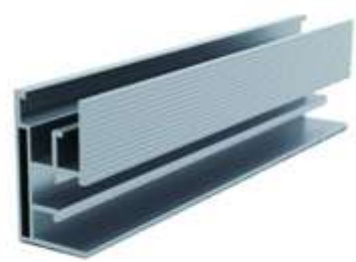
## SunRack Rails

Sunfonson provides Silver and Black anodized rails with innovative design.

Material: Anodized Extruded Aluminum 6005-T5

Color: Natural Silver or Black Anodized

	Part Number	Description
SunRack Rail 2	SFS-SR2-X	SFS Rail 2 2100mm/2560mm/3100mm/4200mm/Customized Length
SunRack Rail 3	SFS-SR3-X	SFS Rail 3 2100mm/2560mm/3100mm/4200mm/Customized Length
SunRack Rail 5	SFS-SR5-X	SFS Rail 5 2100mm/2560mm/3100mm/4200mm/Customized Length
	SFS-SC-*	SFS Splice Connector Group



SFS-SR2



SFS-SR3



SFS-SR5



SFS-SCN2



SFS-SR2B



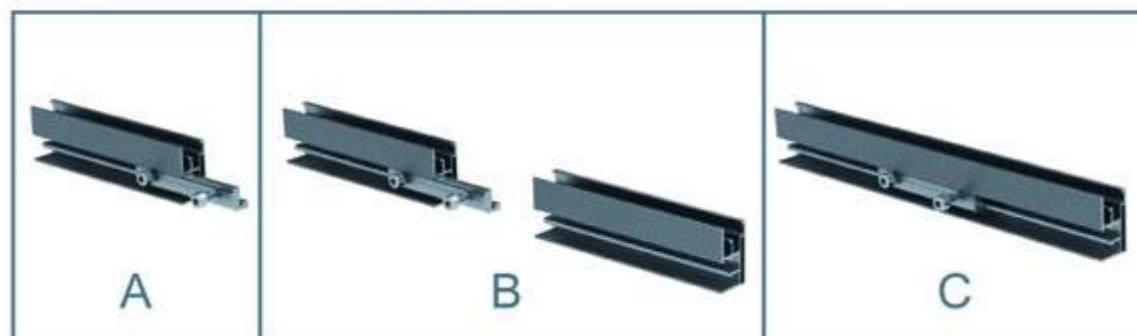
SFS-SR3B



SFS-SCG2B



SFS-SCG2



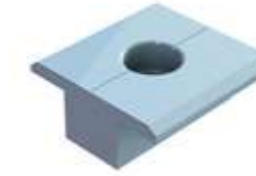
## SunRack Solar Module Clamps

Color: Natural Silver or Black Anodized

Compatibility Range: 30mm~50mm Framed Solar Panel

Material: Anodized Extruded Aluminum 6005-T5, A2-70 Hexagon Socket Head Cap Bolt

	Part Number	Description
Mid Clamp Group	SFS-MCG1/MEG2/MCN2-X	SFS Mid Clamp Group Nut 30mm/35mm/40mm/45mm/50mm
End Clamp Group	SFS-ECG1/ECG2/MCN2-X	SFS End Clamp Group Nut 30mm/35mm/40mm/45mm/50mm
Module	SFS-G-X/SFS -NM2-22	SFS G-module/SFS flat nut



SFS-MC1



SFS-MCN2



SFS-MCG2



SFS-MCG1



SFS-EC1



SFS-ECN2



SFS-ECG2



SFS-ECG1B



SFS-NM2-22



SFS-G1-20



## SunRack Thin Film Module Clamps

Color: Natural or Black Color or Any Customized

Compatibility Range: 4mm~8mm,5.5mm~10.5mm,11~15mm Thin Film Module

Material: Anodized Extruded Aluminum6005-T5, A2-70 Bolt, EPDM Rubber and Stainless Steel Fastener

Part Number	Description
SFS-TMC6G	SFS Thin-Film Mid-Clamp 80mm/120mm/200mm/customized length
SFS-TEC6G	SFS Thin-Film End Clamp 80mm/120mm/200mm/customized length
SFS-TMC6G1	SFS Thin-Film Mid-Clamp Group 80mm/120mm/200mm/customized length
SFS-TEC6G1	SFS Thin-Film End Clamp Group 80mm/120mm/200mm/customized length



SFS-TMC6G



SFS-TMC6G1



SFS-TMC6G1B



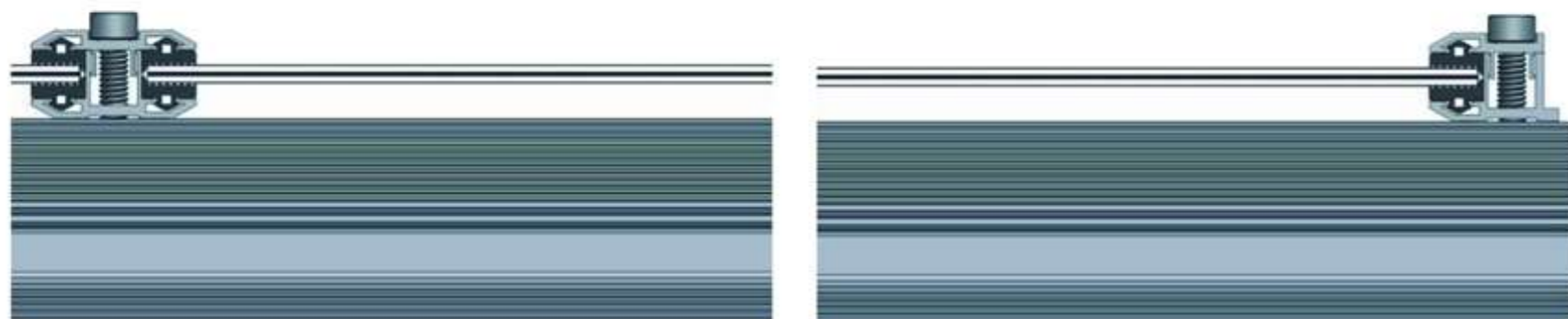
SFS-TEC6G



SFS-TEC6G1



SFS-TEC6G1B



## Grounding System

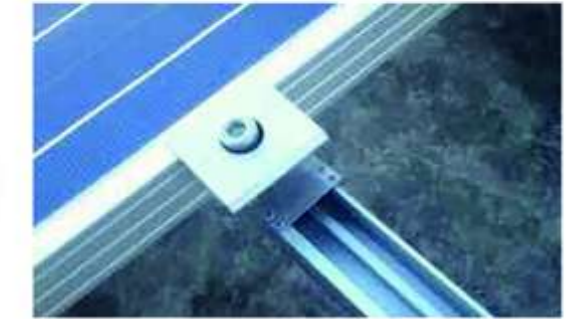
Sunforson grounding system is including grounding clip,earth lug group,bonding jumper.It is used as ground conductor to connect solar modules to aluminum rail,to realize excellent electric conductivity.

Part Number :

SFS-GC2-02

Description :

SFS Grounding Clip



Part Number :

SFS-ELG-01

Description :

SFS Earth Lug Group

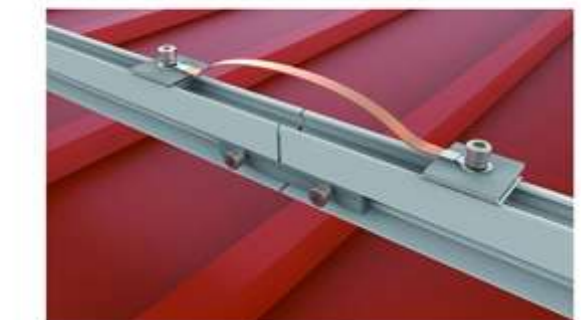
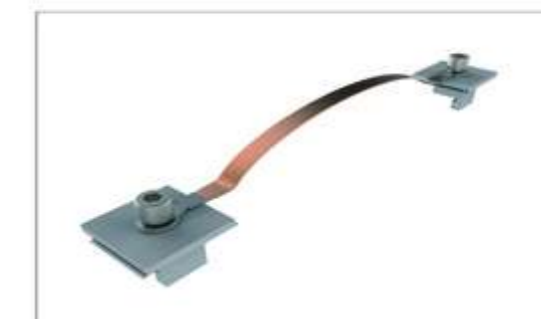


Part Number :

SFS-BJG1-01

Description :

Ground Bonding Jumper Group





# PITCHED ROOF MOUNTING SYSTEM

## SFS-PR-01 SunRack Pitched Roof Solar Mounting

Sunforson provides various kinds of pitched roof mounting solutions for residential and commercial applications. Our mounting structures are widely used on tile roof, metal roof, asbestos roof and asphalt roof, etc.

Sunforson will provide suitable roof brackets according to different roof types, such as SS304 tile roof hook, aluminum L brackets/SS 304 hook for tin roof(trapezoid), stud bolt hanger for asbestos roof(corrugated), roof flashing group for asphalt shingle roof and so on.

Besides our standard roof mounting racks, our experienced engineering team can design the suitable and economical solution for each of your projects. With our versatile mounting solutions, you will gain a lot for your solar power plants.

## TILE ROOF MOUNTING SYSTEM

SunRack tile roof mount system, accommodating a wide range of modules framed or frameless, is suitable for most types of roof with different roof hooks. With innovative Sunrack rail and G/flat module, Sunrack tile roof mount enables significantly fast and easy installation.

### Tile Roof Mount Specification

Installation Site	Tile roof	Applicable Module	Framed or frameless panel
Applicable Roof Cladding	Suitable for most types of cladding	Module Orientation	Landscape or portrait
Roof Slope	Up to 60°	Design Standards	CE&AS/NZS 1170&Int'l Standards
Wind Load	Up to 130mph(60m/s)	Material	Aluminum, stainless steel
Snow Load	Up to 30psf(1.4kN/m <sup>2</sup> )	Warranty	10 years on material



## Features

1. Versatile roof hooks for different tile roofs
2. Easy and fast with unique SunRack rail and G module/Flat nut.
3. Pre-assembled parts to save cost and installation time

### Tile Roof Hook

SunRack tile pv mounting solution has developed many kinds of universal tile roof hooks for solar racking system.They are well accepted by their installation time efficiency and cost efficiency.



SFS-RH-01



SFS-RH-02



SFS-RH-13



SFS-RH-14



SFS-RH-01



SFS-RH-02



SFS-RH-03



SFS-RH-04



SFS-RH-10



SFS-RH-11



SFS-RH-12



SFS-RH-13



SFS-RH-14



SFS-RH-15



SFS-RH-17



SFS-RH-18

### SunRack Shingle Roof Solar Mounting Racks

SunRack shingle roof mounting rack is widely applied for asphalt shingle roof.It highlights the easy and fast installation with solar roof flashing group.Sunrack roof flashing is water tight and durable and compatible for most of roof solar racking system

Part Number	Description
SFS-RHG-02	SFS Roof Flashing Group



### SunRack SFS-CC-01 Solar Cable Clip Datasheet

SunRack solar cable clip is widely used in solar panel array cable positioning, to help prevent damage of the cable insulation. It is made of high quality stainless steel SUS304 material, and it is very easy to install, no special tools needed.

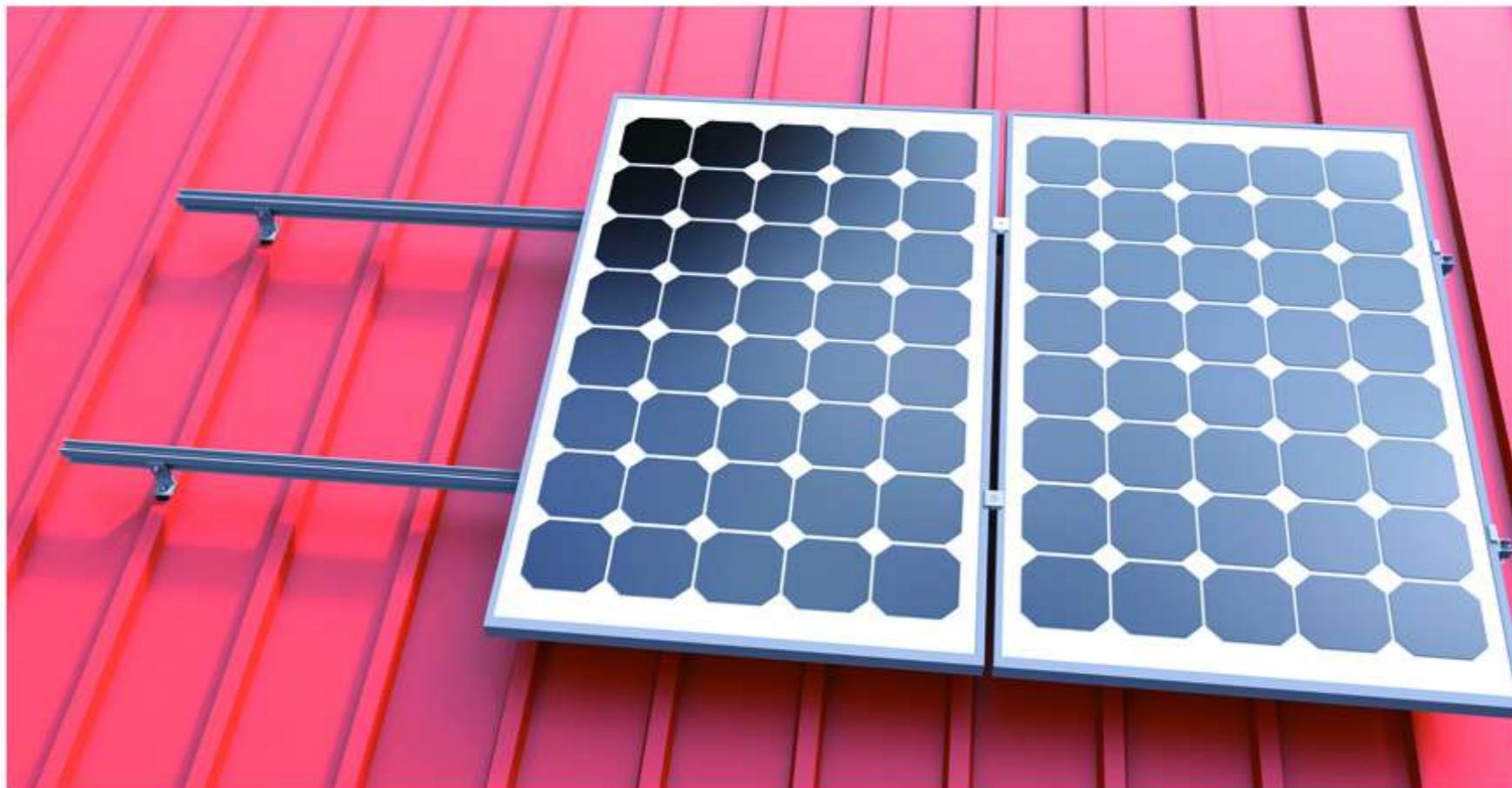


## TIN ROOF MOUNTING SYSTEM

With variety of tin roof brackets, SunRack tin roof mounting system can meet trapezoid/corrugated metal roof and standing seam roof demand with or without penetrating on the roof. Sunforson has the excellent engineering team and quality management system to provide the perfect service.

### Tile Roof Mount Specification

Installation Site	Tin roof	Applicable Module	Framed or frameless panel
Applicable Roof Cladding	Suitable for most types of cladding	Module Orientation	Landscape or portrait
Roof Slope	Up to 60°	Design Standards	CE&AS/NZS 1170&Int'l Standards
Wind Load	Up to 130mph(60m/s)	Material	Aluminum, stainless steel
Snow Load	Up to 30psf(1.4kN/m2)	Warranty	10 years on material



### Features

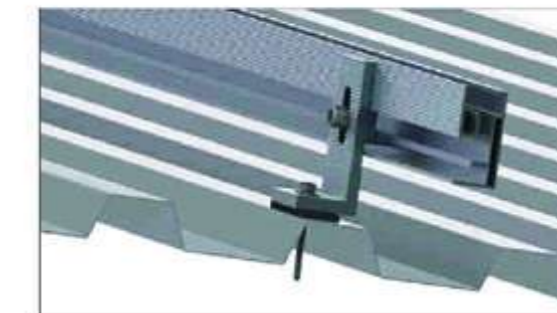
1. Universal roof brackets for different tin roofs
2. Flexible to meet any PV panels
3. Fast installation with partially pre-assembly components

## TIN ROOF MOUNT SOLUTION

SunRack tin roof mounting series have developed the easiest, fastest, most universal and cost-effective roof brackets for PV panel metal roof mounting installation.

Part Number: SFS-LFG2-01

Description: SFS L-foot Group



Part Number: SFS-TRG2-02/03

Description: Metal Roof Hook 2#/3#



Part Number: SFS-SBG1-01

Description: Stud Bolts Group

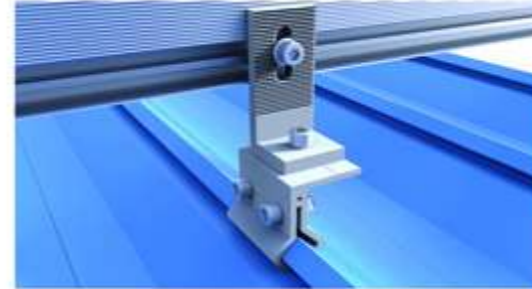




## Standing Seam Roof Mounting

SunRack provides various solar clamps for different standing seam roof mounting. It is easy and fast to install with our SunRack unique racking system.

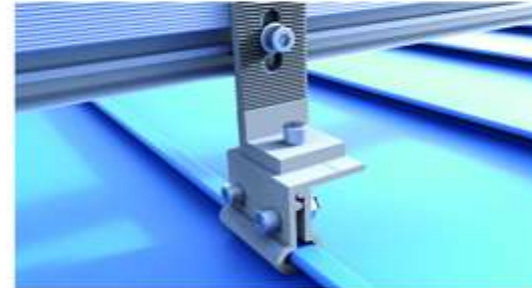
Part Number :  
SFS-TRG-05  
Description :  
5# Tin Roof Clamp Group



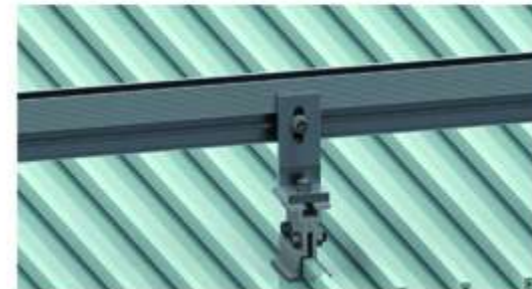
Part Number :  
SFS-TRG-06  
Description :  
6# Tin Roof Clamp Group



Part Number :  
SFS-TRG-07  
Description :  
7# Tin Roof Clamp Group



Part Number :  
SFS-TRG-08  
Description :  
8# Tin Roof Clamp Group



Part Number :  
SFS-TRG-09  
Description :  
9# Tin Roof Clamp Group

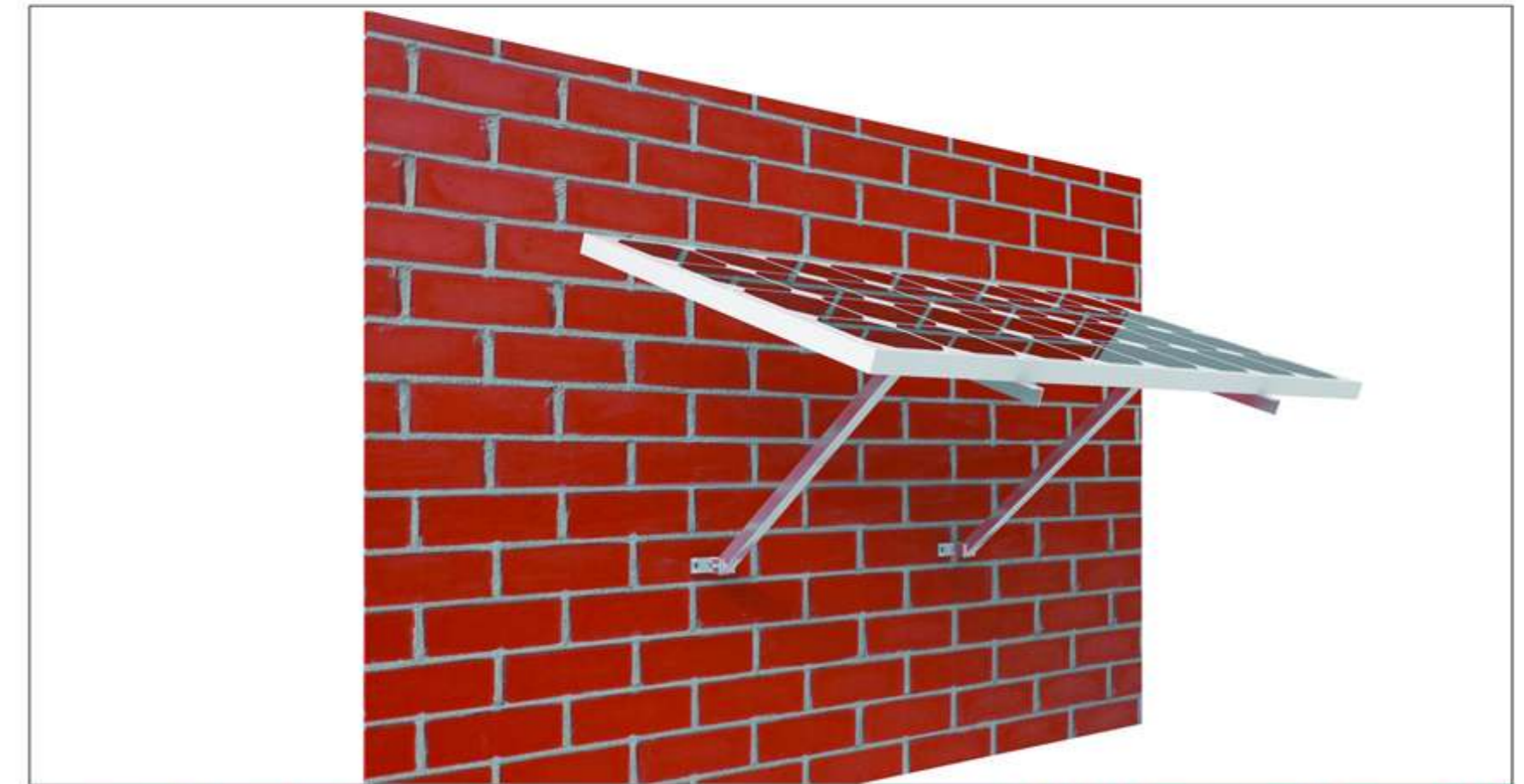


## WALL MOUNTING SYSTEM

SunRack wall mount is an economical mounting type for panel installation without rail support. It can be easily installed on the wall with any customized angle.

### Wall Mounting Specification

Installation Site	Wall	Applicable Module	Framed or frameless panel
Applicable Roof Cladding	Suitable for most types of cladding	Module Orientation	Landscape or portrait
Roof Slope	Up to 60°	Design Standards	CE&AS/NZS 1170&Int'l Standards
Wind Load	Up to 130mph(60m/s)	Material	Aluminum, stainless steel
Snow Load	Up to 30psf(1.4kN/m2)	Warranty	10 years on material



### Features

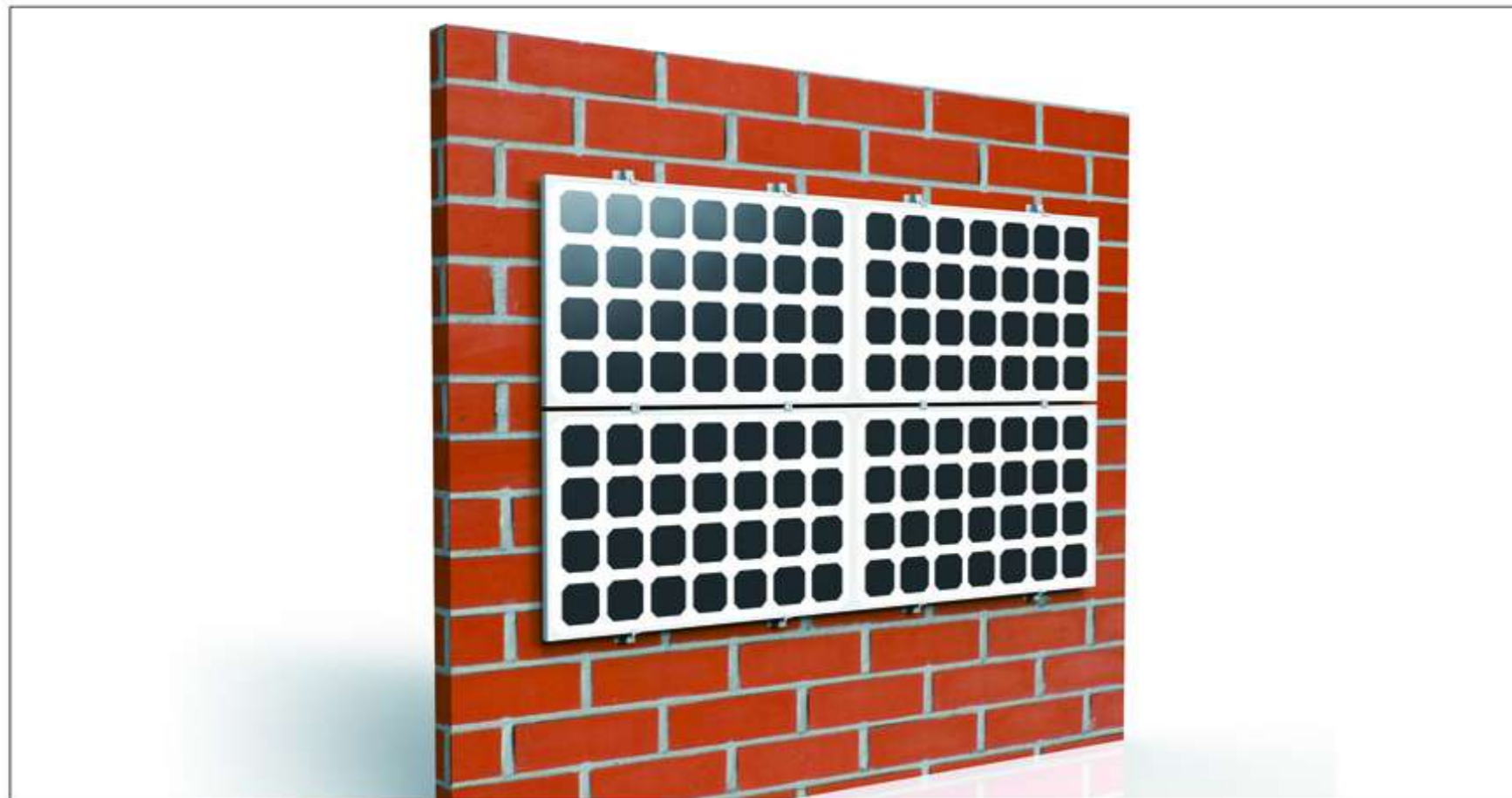
1. Benefit with none rail design
2. Any tilt angle as project demand
3. Solar panel can be extended for maximum space utilization

## SFS-FA-01 SunRack Facade Mounting System

Sunforson develops different mounting series to meet demands of the panel facade installation. The panel will be fixed on wall tightly,which can withstand high wind speed.With the mountings installed back of panels, it looks very concise and pretty.

### Facade Mounting Specification

Installation Site	Facade Wall	Panel Type	Framed or frameless panel
Structural materials	Aluminum Alloy	Design Standards	CE&AS/NZS 1170&Int'l Standards
Wind Load	Up to 130mph(60m/s)	Component direction	Vertical/Horizontal
Snow Load	Up to 30psf(1.4kN/m2)	Warranty	10 years on material



### Features

- 1.Beautiful appearance
- 2.Quick installation with concise design
- 3.10 year quality warranty.25 year design life



## FLAT ROOF MOUNTING SYSTEM

### Sunforson Flat Roof Mounting Structures

Sunrack flat roof mounting series are widely applied in residential,commercial and utility solar systems. With unique design and pre-assembly accessories,SunRack flat roof mountings will save a lot on installation and transportation.

We develop many kinds flat roof mounting systems (they also can be used on ground) to meet different project demands,such as fixed angle mounting system,adjustable mounting brackets, ballast mounting structures,triangular mounts.

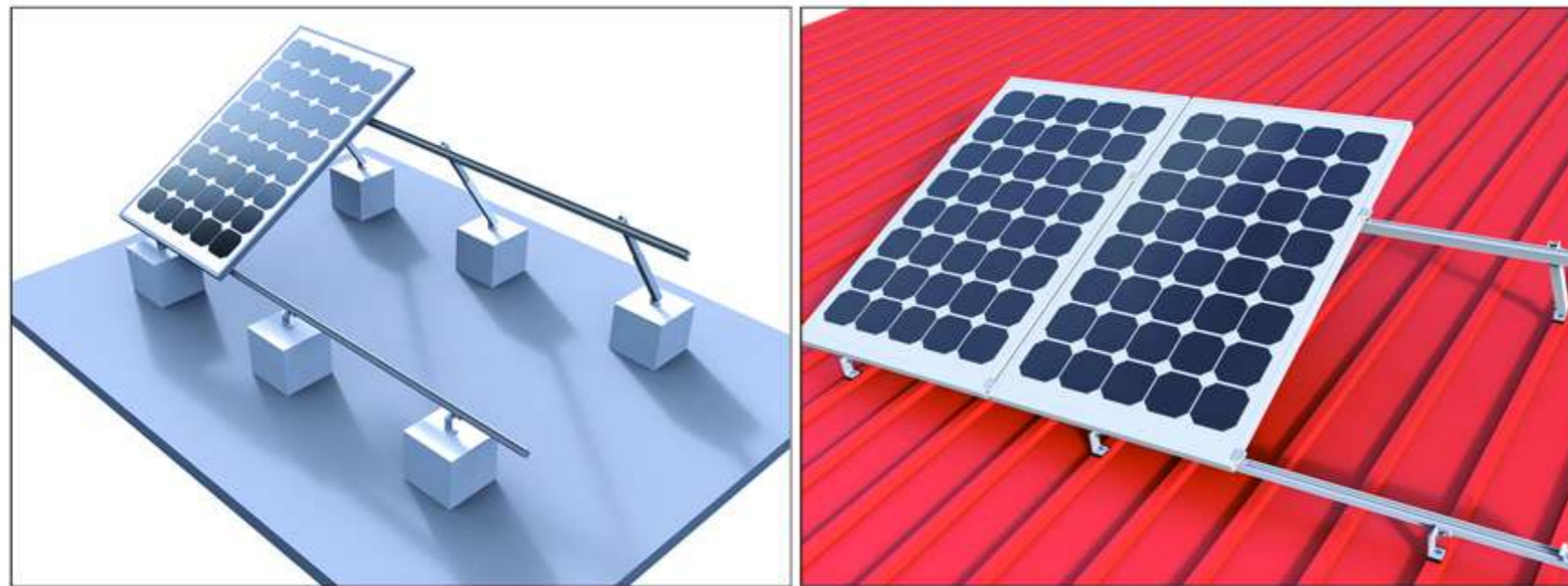
We always devote to providing the most suitable and competitive mounting solution for each project you are involved in .Choose SunRack,choose the best mounting expert for your PV system.

## SFS-AM-01 SunRack Adjustable Mounting System

SunRack SFS-AM-01 is an adjustable mounting system for flat roof(no matter concrete flat roof or tin flat roof) and ground.It can be adjusted in different seasons for maximum power generation.With Sunrack adjustable mounting brackets,you will earn a lot for your solar systems.

### Adjustable angle PV bracket specification

Installation Site	Flat roof	Applicable Module	Framed or frameless panel
Applicable Roof Cladding	Suitable for most types of cladding	Module Orientation	Landscape or Vertical
Roof Slope	Up to 60°	Design Standards	CE&AS/NZS 1170&Int'l Standards
Wind Load	Up to 130mph(60m/s)	Material	Aluminum, stainless steel
Snow Load	Up to 30psf(1.4kN/m <sup>2</sup> )	Warranty	10 years on material



### Features

- 1.Tilt angle options: 10~20, 15~30 or 30~60 degree with 225mm/455m/600mm adjustable legs
- 2.100% lightweight and corrosion resistant aluminum rails
- 3.Adjustable tilt angle for power maximum generation in different seasons

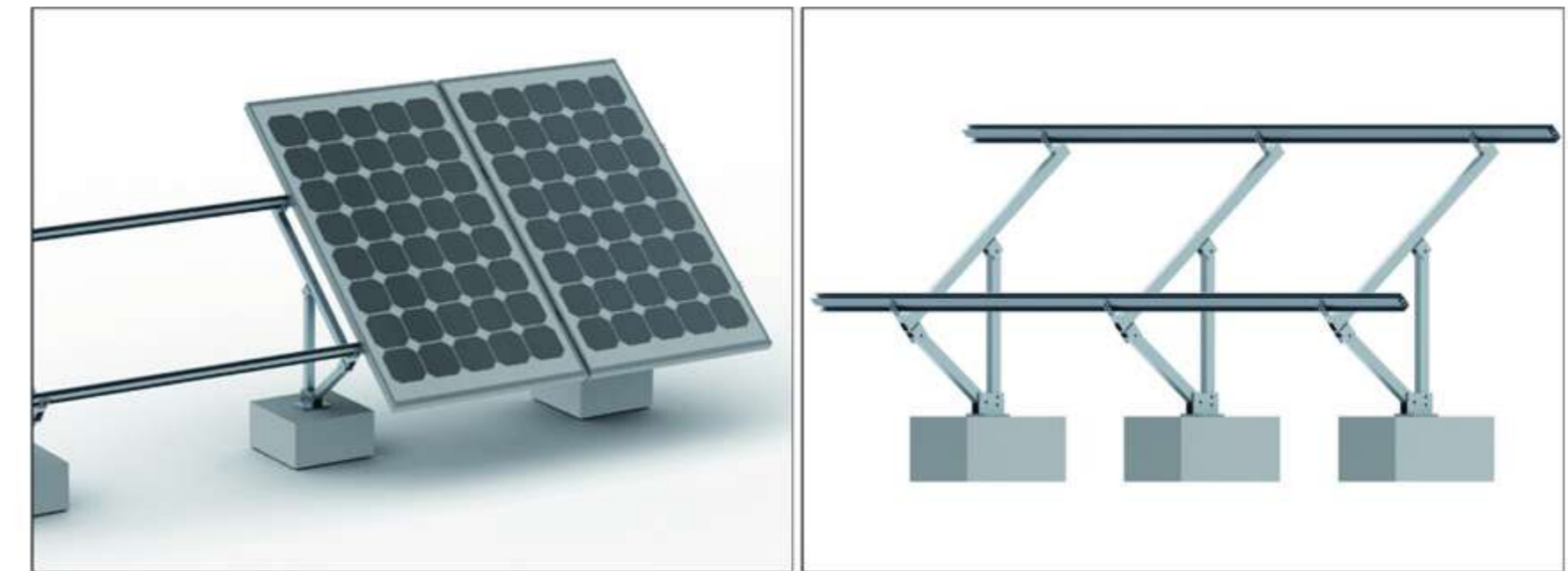


## SFS-AM-02 SunRack Adjustable Mounting System

SunRack SFS-AM-02 is an adjustable mounting system with triangular structure on the bottom which ensures very stable leg design. Angle adjustment is flexible in each season for maximum power generation. With AM-02, installation time can be saved a lot and power generation will be optimized.

### Adjustable angle PV bracket Specification

Installation Site	Open ground and flat roof	Roof clearance	Customed
Panels	Solar panel for any size	Inclination	0 °~ 40 ° or customized
Structural materials	Aluminum, stainless steel	Panel direction	Vertical or Landscape
Survival wind speed	Up to 130mph(60m / s)	Design Standards	CE&AS/NZS 1170&Int'l Standards
Design snow pressure	Up to 30psf(1.4kN/m <sup>2</sup> )	Warranty	10 years on material



### Features

- 1.Adjustable module tilt angle options: 0~40 degree
- 2.Fast and easy installation on roof or pre-made cement blocks
- 3.Superior quality and elegant appearance

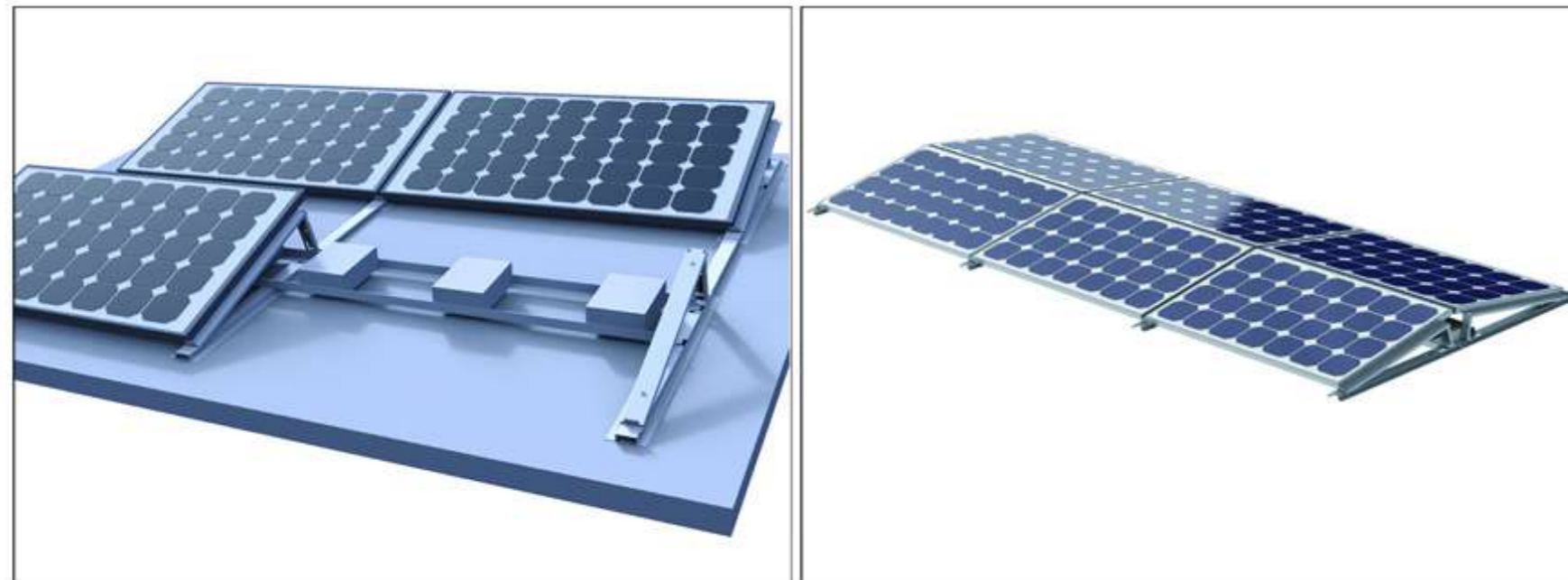


## SFS-FR-02 SunRack Flat Roof Ballast Mounting System

SunRack SFS-FR-02 ballast mounting system adopts foldable triangular to save cost both on installation and transportation. It is a modular structure, which can be expanded from one module to any scale while maximizing the roof usage. Our professional engineers will propose the size and weight of ballast for the project you are involved in.

### Ballast Roof Bracket Specification

Installation Site	Open ground and flat roof	Roof clearance	Around 50mm
Panels	Solar panel for any size	Inclination	Customizable
Structural materials	Aluminum, stainless steel	Component direction	Horizontal
Survival wind speed	Up to 130mph(60m/s)	Design Standards	CE&AS/NZS 1170&Int'l Standards
Design snow pressure	Up to 30psf(1.4kN/m2)	Warranty	10 years on material



### Features

- 1.Simple and fast installation with no rails construction design, zero damage on the roof
- 2.Cost competitive with modules in landscape and tilt angle from 5~15 degree
- 3.Modular extension for maximum usage of roof



SFS-BTMG-15



SFS-MCG



SFS-ECG



SFS-AP



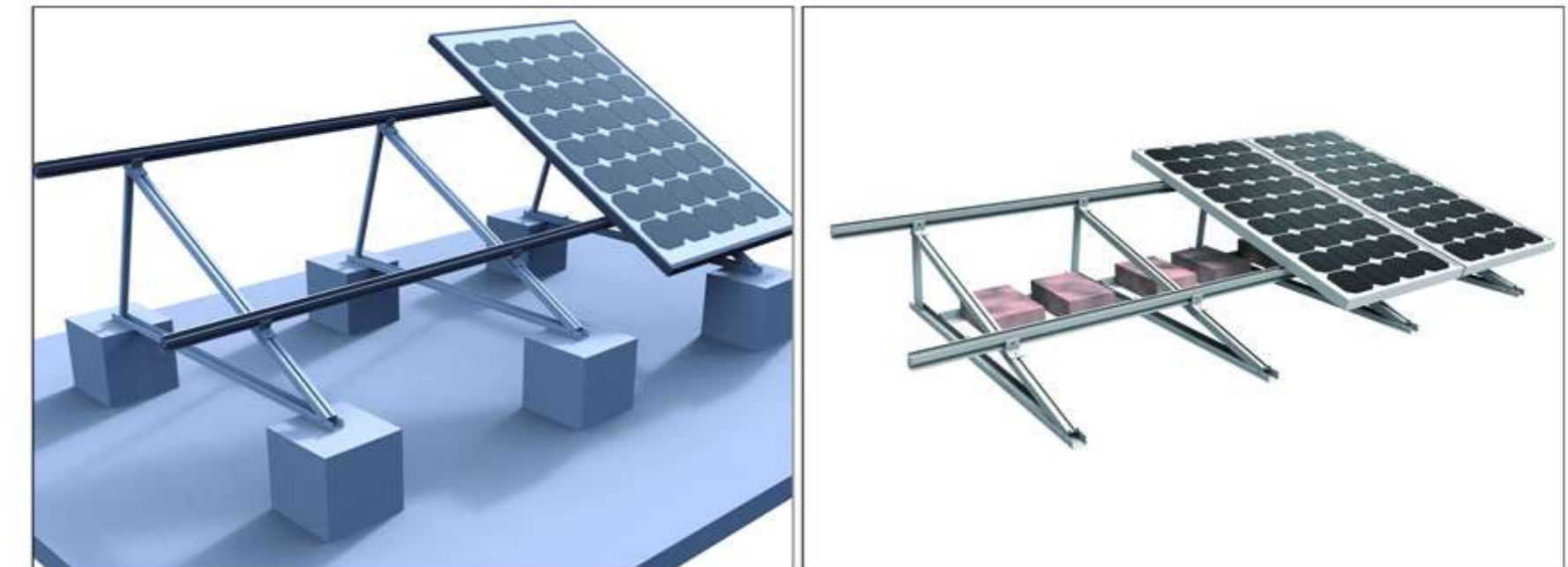
SFS-JP1

## SFS-FR-03 SunRack Flat Roof Triangular Mounting System

SunRack SFS-FR-03 triangular mounting system with a foldable design saves a lot on installation and transportation. It can be installed directly on rooftop or ground or pre-made cement blocks as your option. All panels can be installed easily which will save much time for your project.

### Triangular Roof Bracket Specification

Installation Site	Open ground and roof	Roof clearance	Customized
Panels	Solar panel for any size	Inclination	Customized
Structural materials	aluminum, stainless steel	Panel direction	Portrait or Landscape
Survival wind speed	Up to 130mph(60m/s)	Design Standards	CE&AS/NZS 1170&Int'l Standards
Design snow pressure	Up to 30psf(1.4kN/m2)	Warranty	10 years on material



### Features

- 1.Multifunctional installation method: ballast mount or fixed on casting concrete ballast
- 2.Optimized for material and cost efficiency
- 3.Full aluminum alloy with high quality



SFS-RTMG-15



SFS-MCG1



SFS-ECG1



SFS-LCG1-01



SFS-ES-08



# SUNRACK GROUND MOUNTING SYSTEM

## SUNRACK SOLAR GROUND MOUNTING SYSTEM

SunRack solar ground mounting system currently offers four different types: concrete based, ground screw,pile, single pole solar mounting brackets, which can be installed on almost any kind of ground and soil .

SunRack solar ground mount designs allow large spans between racks.

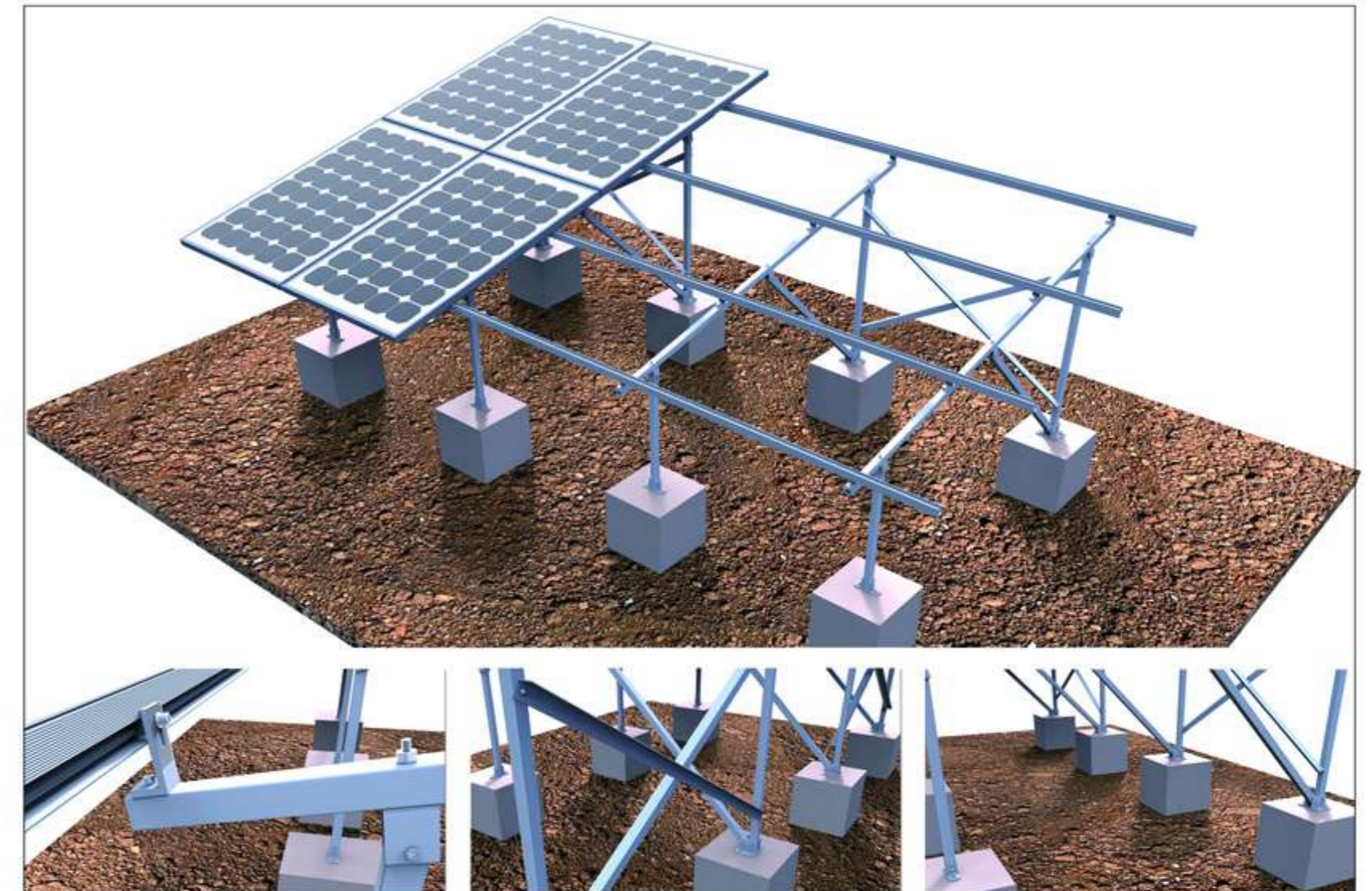
We design each ground mounting system according to the project demand. All mounting systems are optimized to meet wind, snow load and other conditions at the location as well as the geological composition of the ground. Our SunRack ground mount systems are just as flexible as your requirements.

## SFS-GM-01 SunRack Concrete Based Ground Mounting

SunRack concrete based ground mounts are a highly versatile ground mounted solutions that can be widely used in commercial and utility solar panel installation. With more than 40% preassembly and patented components, SunRack solar ground mounts save installer considerable amount of time and present you with great marketing edge.

### Ground Mounting Specification

Installation Site	Open ground	Ground clearance	Customed
Panels	Solar panel for any size	Inclination	Customized
Structural materials	aluminum, stainless steel	Panel direction	Portrait or Landscape
Survival wind speed	Up to 130mph(60m/s)	Design Standards	CE&AS/NZS 1170&Int'l Standards
Design snow pressure	Up to 30psf(1.4kN/m2)	Warranty	10 years on material



### Features

- 1.Fast and secure installation
- 2.Professional customized design
- 3.Most cost competitive with 2 rows panel in portrait

## SFS-GM-01B SunRack Ground Mounting System

SFS-GM-01B SunRack concrete based ground mounts type B is best used in 3 lines,4 lines or above large lines solar ground mounts with very strong structure strength and highly competitive price.

### Ground Mounting Specification

Installation Site	Open ground	Ground clearance	Customized
Panels	Solar panel for any size	Inclination	Customized
Structural materials	Aluminum, stainless steel	Panel direction	Horizontal
Survival wind speed	Up to 130mph(60m/s)	Design Standards	CE&AS/NZS 1170&Int'l Standards
Design snow pressure	Up to 30psf(1.4kN/m2)	Warranty	10 years on material



### Features

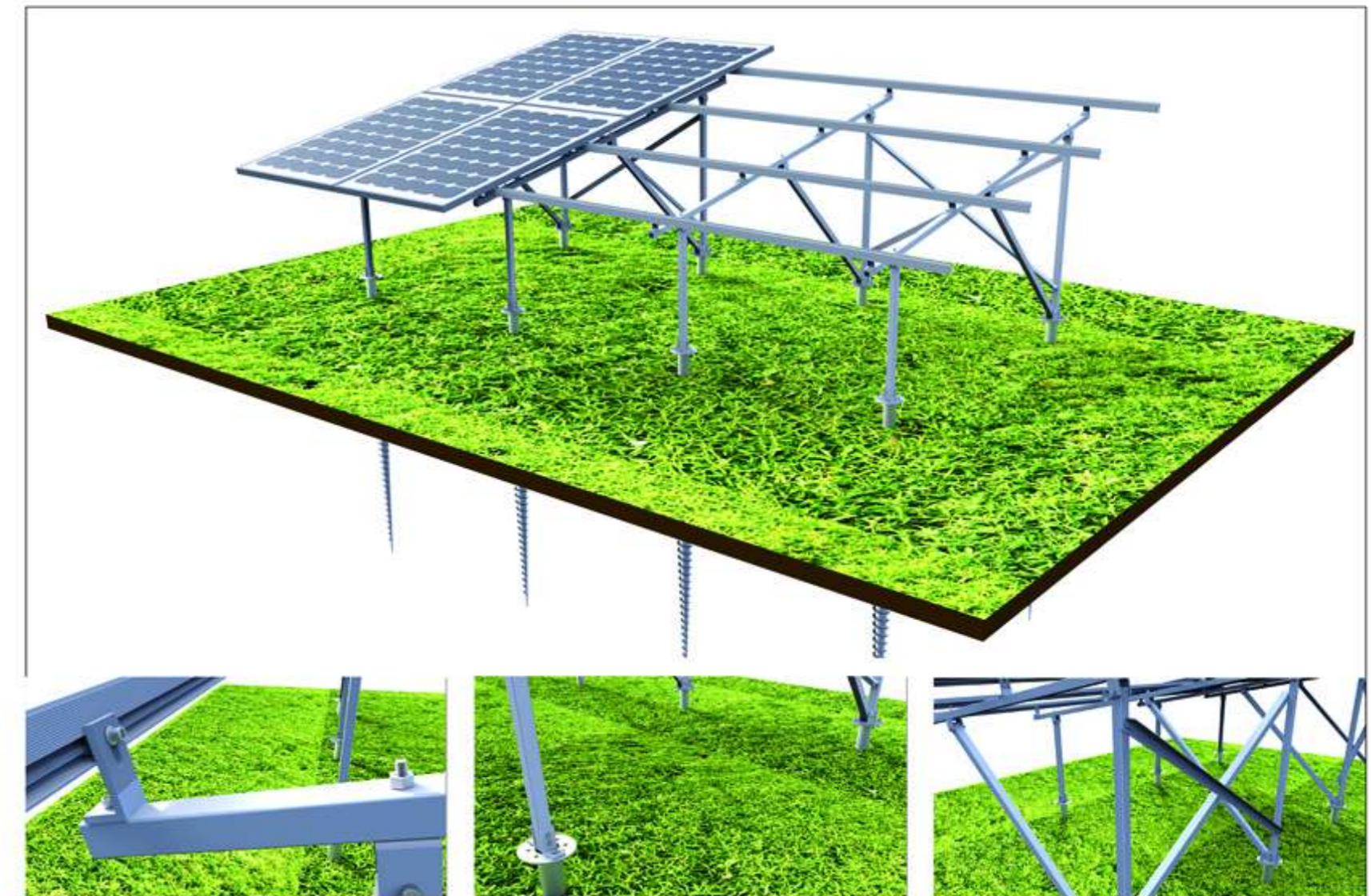
- 1.Suitable for various kinds of ground conditions
- 2.Reduced number of posts compared to traditional racking
- 3.High quality and super appearance with full aluminum alloy structure

## SFS-GM-02 SunRack Ground Screw Mounting System

Sunforson has developed different series ground mounts to meet varied application. This screw-in foundation system is suitable for most kinds of soil conditions. With unique design on the flange plate of ground screw and mounting feet, the mounting structures can be adjusted in a certain range if there is a little misplace for ground screw, no matter left or right, front and back and even up and down.

### Ground Mounting Specification

Installation Site	Open ground	Ground clearance	Customized
Panels	Solar panel for any size	Inclination	Customized
Structural materials	Aluminum, Q235	Panel direction	Portrait or Landscape
Survival wind speed	Up to 130mph(60m/s)	Design Standards	CE&AS/NZS 1170&Int'l Standards
Design snow pressure	Up to 30psf(1.4kN/m2)	Warranty	10 years on aluminum material



### Features

- 1.Fast and quick installation with ground screws
- 2.No pollution on the soil and the ground
- 3.Customized solution according to specific site conditions

## SFS-GM-02B SunRack Ground Screw Mounting System

SFS-GM-02B SunRack solar ground screws mounting type B is widely applied in 3 lines,4 lines or more large lines using ground screws to install solar panels in a quite quick and economic way.

### Ground Mounting Specification

Installation Site	Open ground	Ground clearance	Customized
Panels	Solar panel for any size	Inclination	Customized
Structural materials	aluminum and Q235	Panel direction	Horizontal
Survival wind speed	Up to 130mph(60m/ s)	Design Standards	CE&AS/NZS 1170&Int'l Standards
Design snow pressure	Up to 30psf(1.4kN/m2)	Warranty	10 years on aluminum material



### Features

- 1.Increased distance between foundation supports to reduce material cost
- 2.Partially pre-assembled support structures facilitating quick installation
- 3.100% high grade aluminum alloy racking with galvanized steel ground screw foundation

## SFS-NT-01 SunRack Agricultural Ground Mounting System

SFS-NT-01 SunRack agricultural ground PV mounting system is widely used in farm land with ground screw foundation.The solar panels could be tilted at a certain angle,leaving some gap from each side of solar panels to meet the sunshine demand of crops.

### Ground Mounting Specification

Installation Site	Open ground	Height	Customized
Panels	Solar panel for any size	Inclination	Customized
Structural materials	aluminum and Q235	Panel direction	Horizontal or Vertical
Survival wind speed	Up to 130mph(60m/ s)	Design Standards	CE&AS/NZS 1170&Int'l Standards
Design snow pressure	Up to 30psf(1.4kN/m2)	Warranty	10 years on aluminum material



### Features

- 1.Designed to minimize field installation labor
- 2.Easy installation and no drilling, cutting or other operation on site
- 3.Strictly QC on all components and finished products

## Ground Screw

SunRack ground screws with flange plate and ground screws without flange plate are widely used in ground solar mounting system. Ground screw system is a modern foundation system, using the drilling machine to install which makes it as the most efficient and cost-saving footing solution. It can be widely applied to different soil conditions

**Material: Hot dip galvanized steel Q235**

Part Number	Description(with flange plate)	Diameter	Material	Thickness
SFS-GS1-X	1200mm/1600mm/1800mm/2000mm length ground screw	76mm	Hot-Galvanize	3.0~4.0mm
SFS-GS2-X	1200mm/1600mm/1800mm/2000mm length ground screw	76mm	Hot-Galvanize	3.0~4.0mm



SFS-GS1



SFS-GS2

Part Number	Description(with flange plate)	Diameter	Material	Thickness
SFS-GS3-X	1200mm/1600mm/1800mm/2000mm length ground screw	76mm	Hot-Galvanize	3.0~4.0mm
SFS-GS4-X	1200mm/1600mm/1800mm/2000mm length ground screw	76mm	Hot-Galvanize	3.0~4.0mm



SFS-GS3



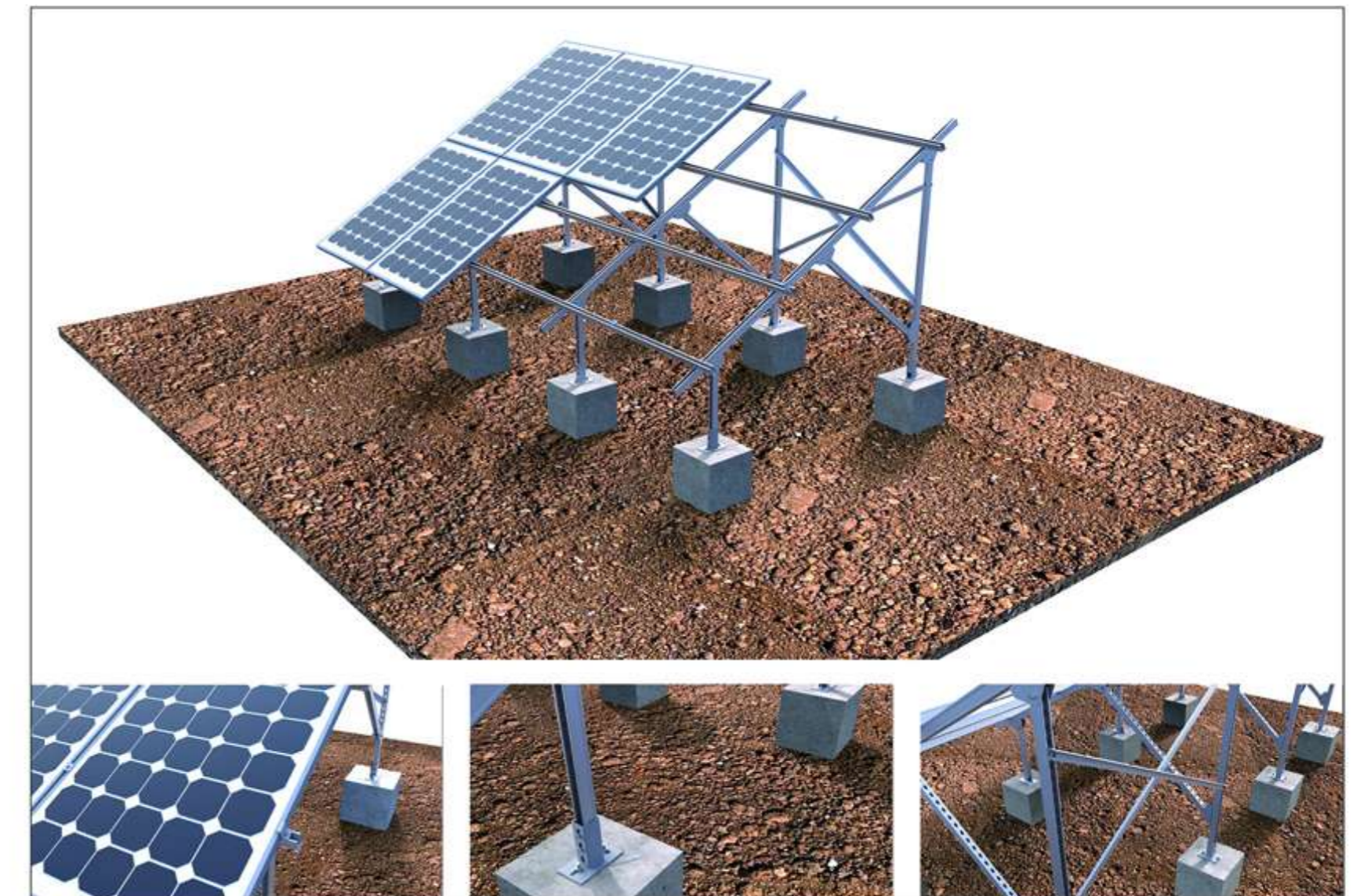
SFS-GS4

## SFS-GM-03 SunRack Carbon Steel Ground Mounting System

SunRack solar ground mounting system type SFS-GM-03 is made of galvanized steel, which can be used with both concrete foundation and ground screw in different panel array in a variety of conditions. With galvanized steel structure, this ground type has huge market edge.

### Ground Mounting Specification

Installation Site	Open ground	Ground clearance	Customized
Panels	Solar panel for any size	Inclination	Customized
Structural materials	Carbon Steel, stainless steel	Panel direction	Portrait or Landscape
Survival wind speed	Up to 130mph(60m/ s)	Design Standards	CE&AS/NZS 1170&Int'l Standards
Design snow pressure	Up to 30psf(1.4kN/m2)	Warranty	5 years on material



### Features

1. 100% high strength galvanized steel with good corrosion protection
2. High competitiveness on material cost
3. Easy and fast installation with unique design



## SFS-GM-04 SunRack Pile Ground Mounting System

SunRack Pile Ground Mounting System is applied for large solar project panel installation on a non-sandy ground. For SunRack Pile Ground Mounting System, the C post can be easily rammed into the ground 1~2 meters by Pile Machine, then you can mount the pre-assembled beam structure and other mounts easily.

### Ground Mounting Specification

Installation Site	Open ground	Module Orientation	Vertical or Horizontal
Installation Angle	0° to 60°	Material	Aluminum and Q235
Wind Load	Up to 130mph(60m/s)	Design Standard	CE&AS/NZS 1170&Int'l Standards
Snow Load	Up to 30psf(1.4kN/m2)	Ground clearance	Customized
PV Modules	Framed or Frameless	Warranty	10 years on aluminum material



### Features

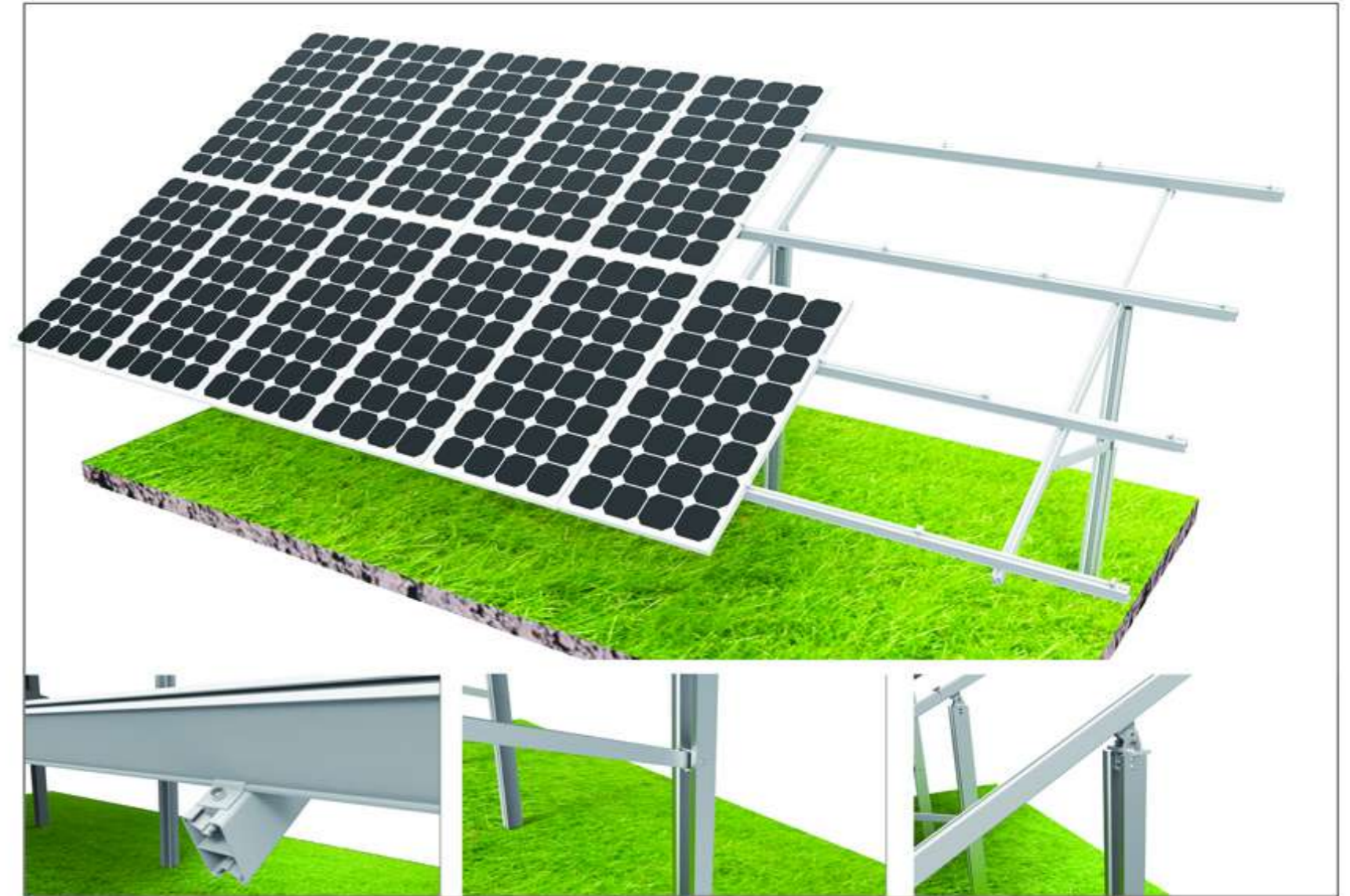
1. Most cost effective for 2-row-vertical panel with low tilt angle
2. Quick installation with pile drilling machine
3. Made of high quality aluminum and steel

## SFS-GM-04B SunRack Pile Ground Mounting System

SunRack SFS-GM-04B pile ground mounting system is widely used for solar farm. The Ω post can be easily installed into ground by machine, which can save a lot of installation time. With foldable mounts group, it can be pre-assembled as your demand to save labor cost.

### Ground Mounting Specification

Installation Site	Open ground	Module Orientation	Horizontal or vertical
Installation Angle	0° to 60°	Design Standards	CE&AS/NZS 1170&Int'l Standards
Wind Load	Up to 130mph(60m/s)	Material	Extruded aluminum and Q235
Snow Load	Up to 30psf(1.4kN/m2)	Ground clearance	Customized
PV Modules	Framed or Frameless panel	Warranty	5 years on Q235



### Features

1. Long rail spans reduce the number of necessary supports foundations
2. High level of pre-assembly for fast installation
3. Combination with high quality aluminum alloy racking and hot galvanized steel pile

## SFS-PM-X SunRack Pole Mounting System

Sunforson specializes in SunRack pole mount system manufacturing and designing to meet the needs of various pole mount installation. SunRack single post mount enables you to install 1-16 solar panels in different panel layout.

### Single Pole Mount Specification

Installation Site	open ground	Module Orientation	Horizontal or vertical
Installation Angle	0° to 60°	Design Standards	CE&AS/NZS 1170&Int'l Standards
Wind Load	Up to 130mph(60m/s)	Material	extruded aluminum and Q235
Snow Load	Up to 30psf(1.4kN/m <sup>2</sup> )	Ground clearance	Customized
PV Modules	Framed or Frameless panel	Warranty	5 years on Q235 material



SFS-PM-02



SFS-PM-01



SFS-PM-06

### Features

1. Post Cap adjustable according to the geographical location demand
2. 1~16 panels can be supported by the pole in a strong and secure way
3. Best used in solar pump, home solar system and other open ground solar project



## SUNRACK SOLAR CARPORT MOUNT SYSTEM

### Sunforson Carport Mounting Structures

Sunforson customizable solar carport mounting system is the most versatile solar carport solution in the market offering several different designed structure options for both single and double rows of parking. They are suitable for both framed and thin film modules in any size.

Whether you want carports mounting for home use, commercial use or utility, Sunforson can design suitable carport mounting structures according to site situation.

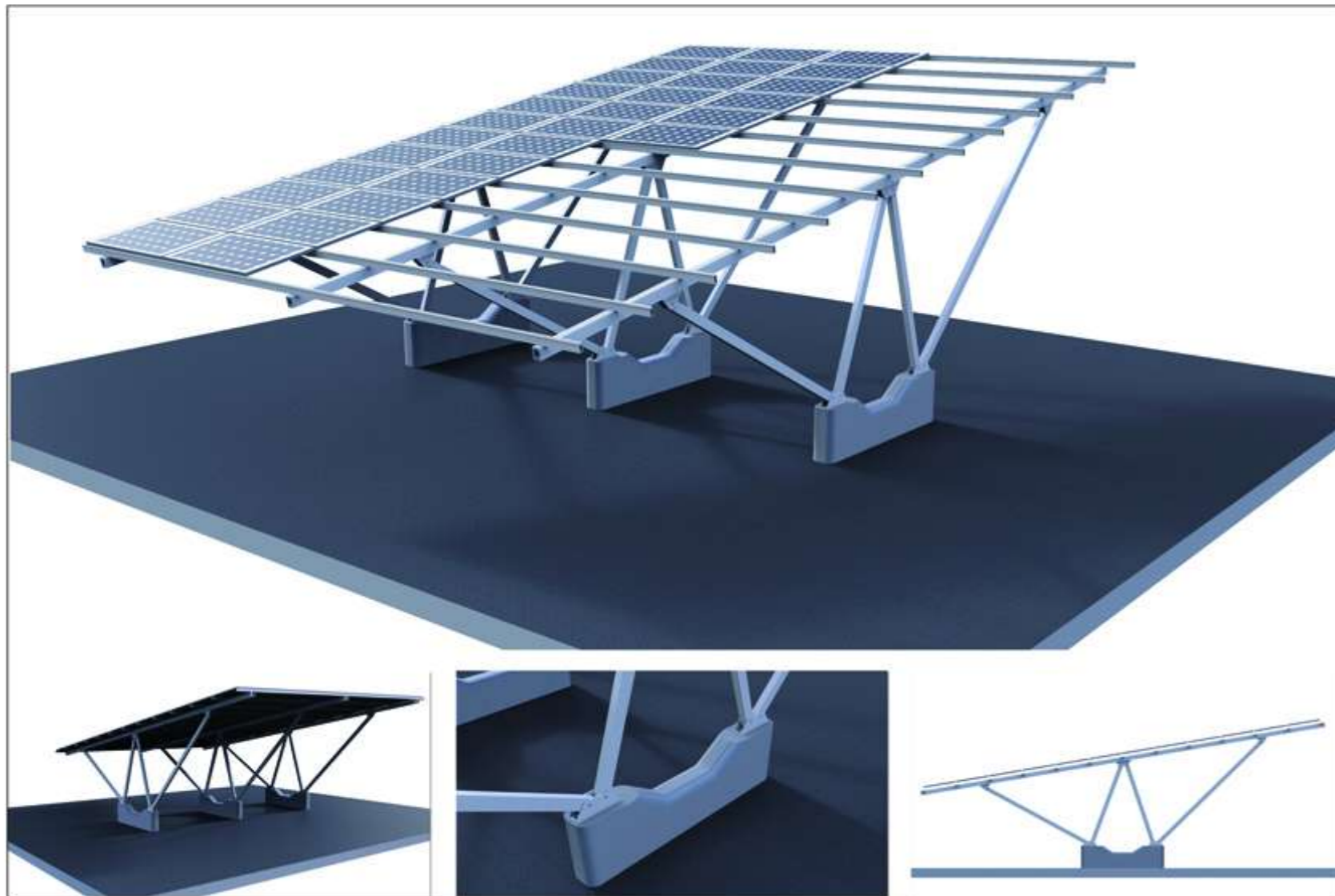
To accommodate any installation site situation, customized foundation options are available with the use of concrete foundation, which is placed above the ground or buried into the ground by your option.

## SFS-CP-03 SunRack Carport Mounting System

Sunforson's SFS-CP-03 double row carport mounting adopts triangle supporting structure technology, which is very strong and secure. With full aluminum alloy and SS 304 bolts&nuts material,it is with concise and elegant appearance.It is quite easy and fast installation without any welding in the site.

### Carport Specification

Installation Site	Open ground	Module Orientation	Horizontal or vertical
Installation Angle	5° or 10° or 15°	PV Modules	Framed or Thin Film
Height	2.0~3.5m	Design Standards	CE&AS/NZS 1170&Int'l Standards
Wind Load	Up to 130mph(60m/s)	Material	Extruded aluminum
Snow Load	Up to 30psf(1.4kN/m <sup>2</sup> )	Warranty	10 years on material



### Features

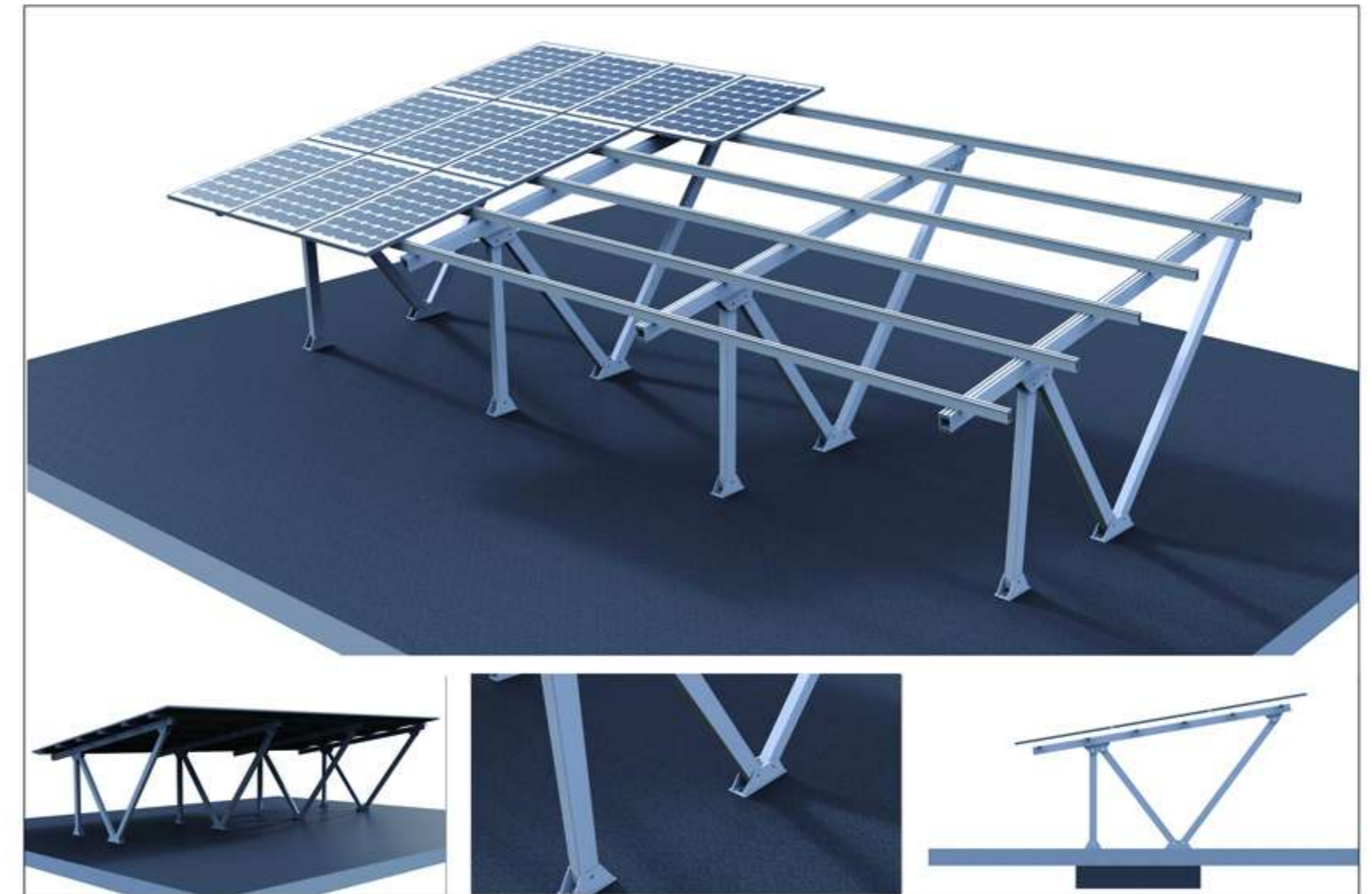
- 1.Fixed tilt angle:5 degree,10degree,15degree
- 2.Standard 10 years warranty
- 3.Suitable for various car parking area

## SFS-CP-05 SunRack Carport Mounting System

Sunforson's SFS-CP-05 single row carport mounting adopts "N" shape structure which is very strong and secure. With full aluminum alloy and SS 304 bolts&nuts material,it is with concise and beautiful appearance. It is quite easy and fast installation without any welding in the site.

### Carport Specification

Installation Site	Open ground	Module Orientation	Horizontal or vertical
Installation Angle	5° or 10° or 15°	PV Modules	Framed or Thin Film
Height	2.0~3.5m	Design Standards	CE&AS/NZS 1170&Int'l Standards
Wind Load	Up to 130mph(60m/s)	Support Rail	Extruded aluminum
Snow Load	Up to 30psf(1.4kN/m <sup>2</sup> )	Warranty	10 years on material



### Features

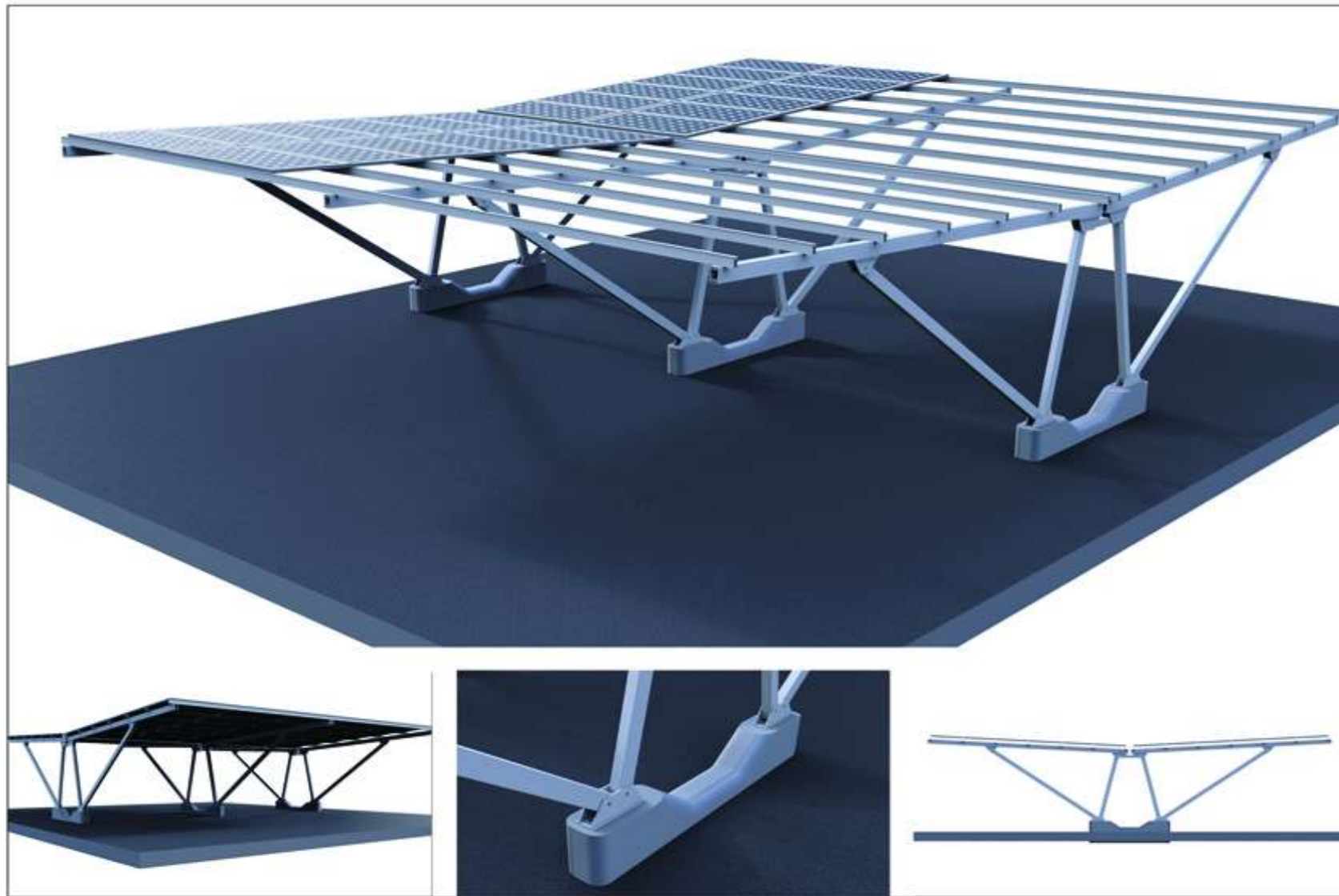
- 1.Widely used for residential or commercial projects
- 2.Superior quality with competitive price
- 3.Compatible with standard framed and frameless module types

## SFS-CP-06 SunRack Carport Mounting System

Sunforson's CP-06 double bays carport mounting adopts "birds flying" structure which is very strong and secure. With full aluminum alloy and SS 304 bolts&nuts material,it is with concise and beautiful appearance. It is quite easy and fast installation without any welding in the site.

### Carport Specification

Installation Site	Open ground	Module Orientation	Horizontal or vertical
Installation Angle	5° or 10° or 15°	PV Modules	Framed or Frameless panel
Height	2.0~3.5m	Design Standards	CE&AS/NZS 1170&Int'l Standards
Wind Load	Up tp 130mph(60m/s)	Material	Extruded aluminum
Snow Load	Up to 30psf(1.4kN/m2)	Warranty	10 years on material



### Features

- 1.Elegant Modern "Bird Flying" Design
- 2.Large parking space with four cars packing each bay
- 3.Corrosion-resistant aluminum construction

## SFS-CP-07 SunRack T Type Carport Mounting System

Sunforson's SFS-CP-07 single column carport mounting adopts T type post supporting structure technology, which is very strong and secure. With carbon steel material,it is with concise and beautiful appearance.It is quite easy and fast to install without any welding in the site.

### Carport Specification

Installation Site	Open ground	Module Orientation	Horizontal or vertical
Installation Angle	5° or 10° or 15°	PV Modules	Framed or Frameless Panel
Height	2.0~3.5m	Design Standards	CE&AS/NZS 1170&Int'l Standards
Wind Load	Up to 130mph(60m/s)	Material	Extruded aluminum and Q235
Snow Load	Up to 30psf(1.4kN/m2)	Warranty	10 years on aluminum material



### Features

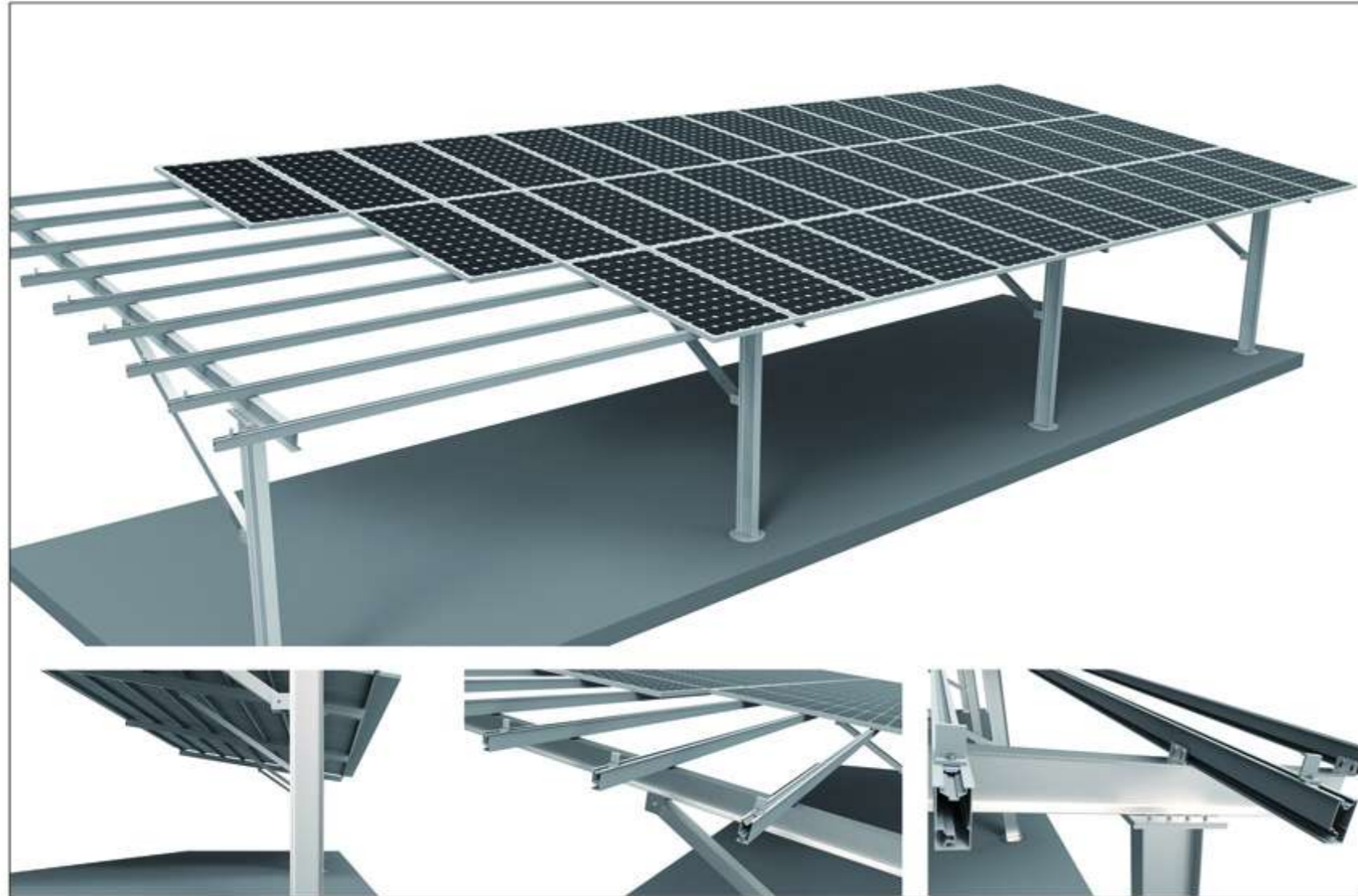
- 1.High quality carbon steel and aluminum construction
- 2.Single posting T type design with elegant appearance
- 3.Each bay with 2 car parking spaces

## SFS-CP-08 SunRack Cantilever Type Carport Mounting

SunRack SFS-CP-08 carport mounting system is a cantilever type single row mounting structures for car parking,especially commercial and utility projects. It allows car to be parked in 90 degree or sideling for site maximum utilization.

### Carport Specification

Installation Site	Open ground	Module Orientation	Horizontal or vertical
Installation Angle	5° or 10° or 15°	PV Modules	Framed or Frameless Panel
Height	2.0~3.5m	Design Standards	CE&AS/NZS 1170&Int'l Standards
Wind Load	Up to 130mph(60m/s)	Material	Extruded aluminum and Q235
Snow Load	Up to 30psf(1.4kN/m2)	Warranty	10 years on aluminum material



### Features

- 1.Suitable for car parking in 90 degree or sideling parking pattern
- 2.Cost effective with high grade galvanized steel and aluminum alloy
- 3.Optimum area utilization

## Packaging Details

Packaging Details: Wooden Case, Wooden Pallet, Carton for Solar Mounting  
Delivery Time:Normally it takes 15~20 days for production



## Projects of SunRack Solar Mounting System



1.4MW SFS-GM-01  
Concrete Base Mount System(Kazakhstan)



50KW SFS-GM-01B  
Ground Cement Mount System(USA)



800KW SFS-FR-02  
Ballast Roof Racking(USA)



3,5MW SFS-GM-04  
Pile Ground Mount Structure(Japan)



200KW SFS-AM-01  
Adjustable Mount Brackets(Mexico)



100KW SFS-FR-01  
Fixed Angle Mounting(Xiamen)

## Projects of SunRack Solar Mounting System



300KW SFS-PM-06  
Pole Mount(South Africa)



500KW SFS-PR-01  
Asbestos Roof Mount(Thailand)



500KW SFS-PR-01  
Tile Roof Mount(Australia)



300KW SFS-PR-01  
Tin Roof Mount(Philippine)



12KW SFS-CP-03 Residential  
Carport Mount(USA)



300KW SFS-CP-03 Commercial  
Carport Mount(Japan)