



TITAN SOLAR



TITAN SOLAR

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JIANGYIN TITANERGY CO.,LTD.
Professional Solar Mounting Systems

ABOUT TITAN SOLAR

Titan Solar devotes our expertise and resources into the research, design, manufacturing and distribution of quality PV mounting system solutions. Our products have been installed in Europe,Australia,Asia,Middle East,America,China,and so on,since it established.

OUR CULTIVATE PROFESSIONALISM

Titan Solar cultivates professionalism and Innovation on product research and development to provide high quality standard assurance to customers with our professionalism, and create more value with our innovation.

OUR MANAGEMENT

Titan Solar is a multinational organisation formed by highly experienced professionals within the solar photovoltaic manufacturing and installation industry.We apply stringent international manufacturing and management standards including but not limited to ISO9001: 2012, FMEA, MSA.International quality manage systems in all phases of R&D,manufacturing,marketing and after-sales-service.

OUR SERVICE NETWORKS

With our reliable products and short response time in our customer services,Titan Solar won trust from solar system integrators,installers and distributors world wide.Since our establishment,we have formed alliance with distribution partners world wide,and developed a highly professional sales and customer service team to offer our customer a global and efficient service network.



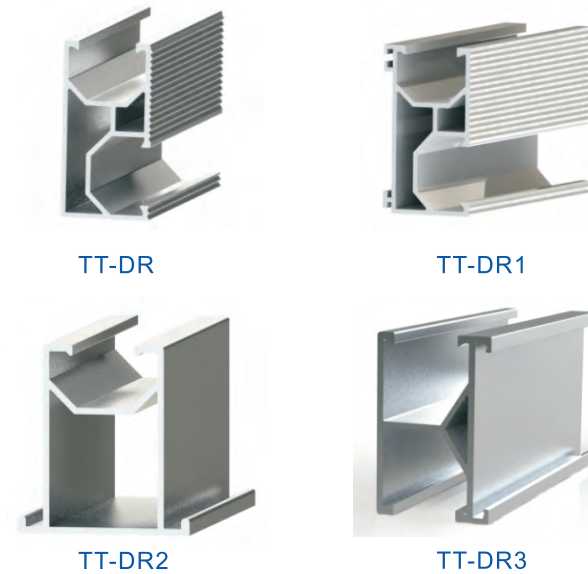
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RAILS

Item No.	Description
TT-DR-Length	TT Standard Rail
TT-DR1-Length	TT 1# Rail
TT-DR2-Length	TT 2# Rail
TT-DR3-Length	TT 3# Rail



Note:The standard length is 2560mm,3405mm, 4200mm.The other must be customized.
Material:Anodized Al6005-T5
Color:Natural silver or black anodized

RAIL SPLICE KIT

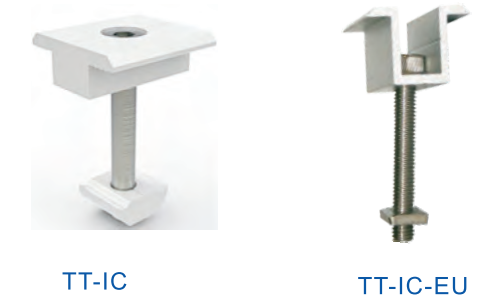
Item No.	Description
TT-DR-SP	TT Rail Splice Kit
TT-DR2-SP	TT 2# Rail Splice Kit
TT-DR3-SP	TT 3# Rail Splice Kit



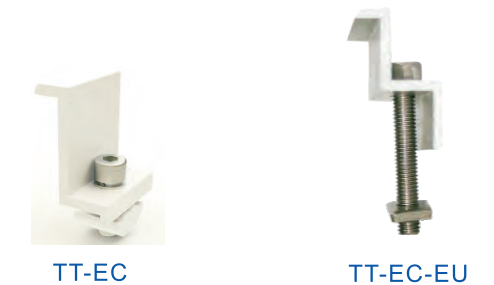
Material:Anodized Al6005-T5 and A2-70 Hexagon Socket Head Cap Screw
Color:Natural silver or black anodized

FRAMED MODULE CLAMP

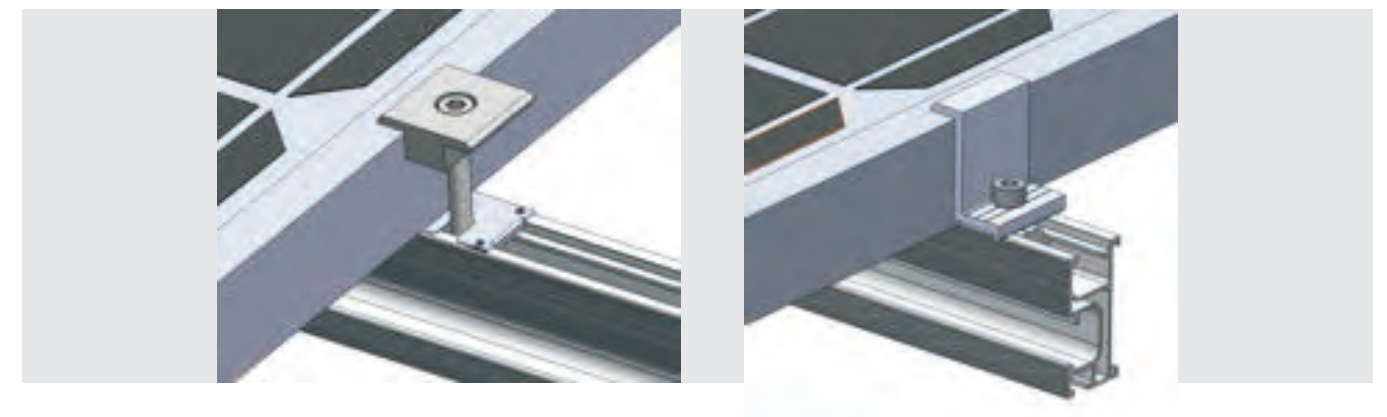
Inter Clamp Kit	
Item No.	Description
TT-IC-F30/35	TT Inter Clamp Kit 30~35mm
TT-IC-F35/40	TT Inter Clamp Kit 35~40mm
TT-IC-F45/50	TT Inter Clamp Kit 45~50mm
TT-IC-F57/60	TT Inter Clamp Kit 57~60mm



End Clamp Kit	
Item No.	Description
TT-EC-F30	TT End Clamp Kit 30mm
TT-EC-F35	TT End Clamp Kit 35mm
TT-EC-F40	TT End Clamp Kit 40mm
TT-EC-F46	TT End Clamp Kit 46mm
TT-EC-F50	TT End Clamp Kit 50mm
TT-EC-F57	TT End Clamp Kit 57mm



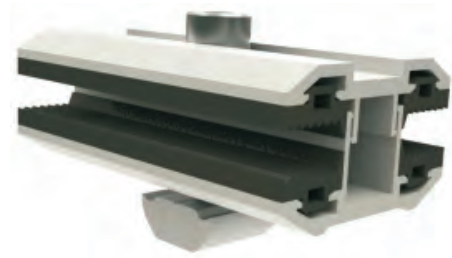
Adjustable End Clamp Kit	
Item No.	Description
TT-EC-A01	TT Adjustable End Clamp Kit 1#
TT-EC-A02	TT Adjustable End Clamp Kit 2#



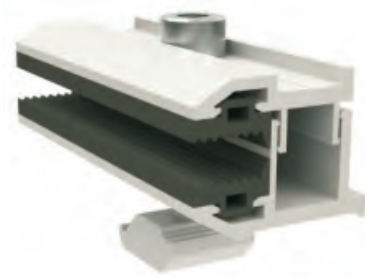
FRAMELESS MODULE CLAMP



Item No.	Description
TT-IC-L60/80/120	Thin Film Module Inter Clamp
TT-EC-L60/80/120	Thin Film Module End Clamp



TT-IC-L80



TT-EC-L80



ROMANTILE ROOF HOOK

Item No.	Description
TT-IK-01	Stainless Steel Hook 1# Kit
TT-IK-03	Stainless Steel Hook 3# Kit
TT-IK-06	Stainless Steel Hook 6# Kit
TT-IK-08	Stainless Steel Hook 8# Kit
TT-IK-12	Stainless Steel Hook 12# Kit
TT-IK-14	Stainless Steel Hook 14# Kit
TT-IK-15	Stainless Steel Hook 15# Kit
TT-IK-16	Stainless Steel Hook 16# Kit
TT-IK-HP	Height Adjust Plate for Roof Hook

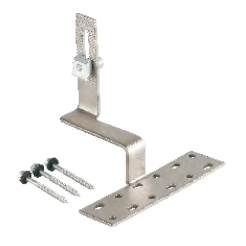
Material:Stainless Steel SUS304 and A2-70 Hexagon Socket Head Cap Screw



TT-IK-01



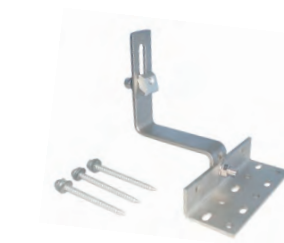
TT-IK-03



TT-IK-06



TT-IK-08



TT-IK-12



TT-IK-14



TT-IK-15



TT-IK-16



TT-IK-HP Adjust the Height

FLAT TILE ROOF HOOK

Item No.	Description
TT-IK-02	Stainless Steel Hook 2#
TT-IK-02-A	Stainless Steel Hook 2# A type
TT-IK-02-B	Stainless Steel Hook 2# B type

Material:Stainless Steel SUS304 and A2-70 Hexagon Socket Head Cap Screw



TT-IK-02



TT-IK-02-A



TT-IK-02-B

SHINGLE TILE ROOF HOOK

Item No.	Description
TT-IK-04	Stainless Steel Hook 4#
TT-IK-04-A	Stainless Steel Hook 4# A type
TT-IK-04-B	Stainless Steel Hook 4# B type
TT-IK-13	Stainless Steel Hook 13#

Material:Stainless Steel SUS304 and A2-70 Hexagon Socket Head Cap Screw



TT-IK-04



TT-IK-04-A



TT-IK-04-B



TT-IK-13

TIN ROOF HOOK

Item No.	Description	Accessories
TT-IK-05	Aluminum Tin Interface Kit 5#	Wood Screw M6.3×80
TT-IK-H01	Hanger Bolt Hook 1#	Hanger Bolt M10×200
TT-IK-H04	Hanger Bolt Hook 4#	Hanger Bolt M10×200 & L Feet
TT-IK-H05	Hanger Bolt Hook 5#	Hanger Bolt M10×200

Material:Anodized Al6005-T5 and A2-70 Hexagon Socket Head Cap Screw



TT-IK-05



TT-IK-H01



TT-IK-H04



TT-IK-H05

STANDING SEAM ROOF HOOK

Item No.	Description	Roof Type
TT-IK-S01	Standing Seam Roof Hook 1#	Butler Roof
TT-IK-S02	Standing Seam Roof Hook 2#	KalZip-Bemo-roofs
TT-IK-SK7	Standing Seam Roof Hook K7	Klip-Lok 406
TT-IK-S07	Standing Seam Roof Hook 7#	Klip-Lok 700 Hi-Strength
TT-IK-S05	Standing Seam Roof Hook 5#	-----
TT-IK-S06	Standing Seam Roof Hook 6#	-----



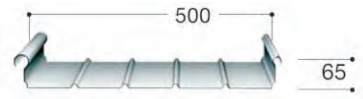
Butler-roof



TT-IK-S01



TT-IK-S02



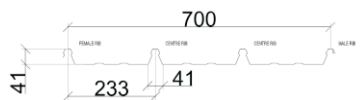
KalZip-roof



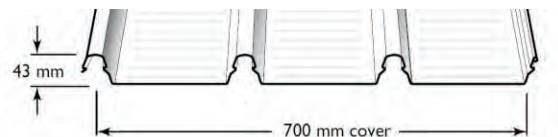
TT-IK-S07



TT-IK-SK7



Klip-lok 700



Klip-lok 700 Hi-Strength



TT-IK-S05



TT-IK-S06

ACCESSORIES

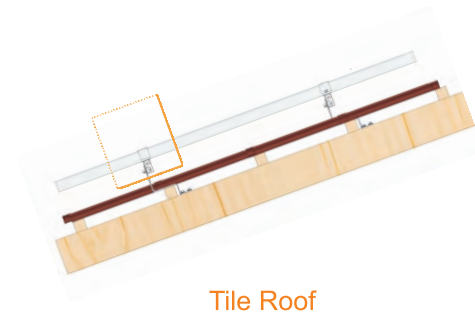
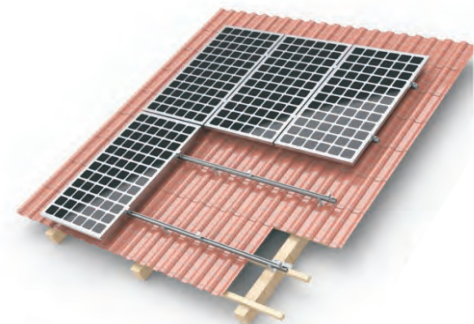
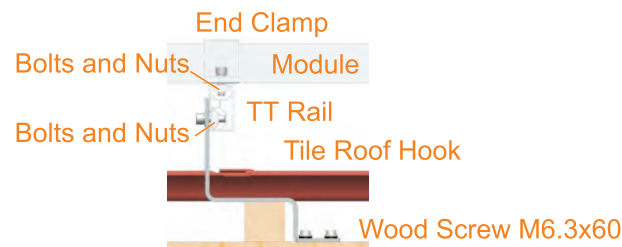
Item No.	Description
TT-DM-25	Bolts & Nuts
TT-A-DM	D-Module
TT-SSCC-01	SS Cable Clip 1#
TT-SSCC-02	SS Cable Clip 2#
TT-G-GC	Grounding Clip
TT-G-GL	Grounding Lug
TT-G-BJ	Bonding Jumper



Introduction

TT Pitched Roof Racking System is designed with great flexibility for both commercial and residential roof solar system. It is suitable for installing framed and frameless modules fixed to pitched roofs. TT product series have the innovated design of TT Rail and D module to make the installation easier and faster. Our highly customizable pre-assembled solutions can significantly reduce your installation time and cost.

Tile Roof System



Benefits

Easy Installation

D-module can be installed onto our TT Rail from any position. Systems can be pre-assembled at our factory to save your installtime on-site.

Flexibility and Compatible

TT Rail and its accessories can be installed with most type of solar panels under different conditions.

Safety and Reliability

The racking systems can withstand various weather conditions and are complied with the A1S/NZS 170 and other international structure load standards. The main support components have also been tested to guarantee its structural stability and weight and wind load capacities.

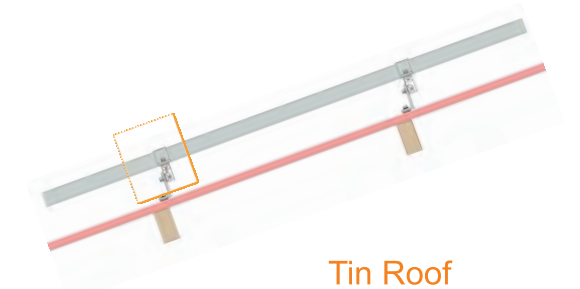
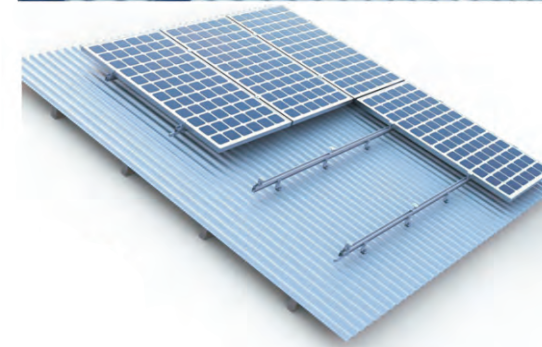
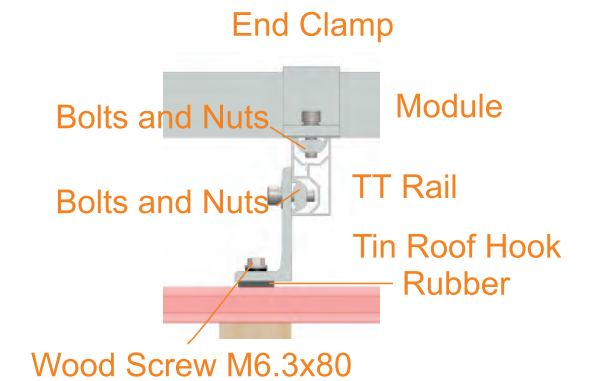
Technical Information

Install Site	Pitched Roof
Tilt Angle	Flushed with the roof, up to 60deg
Building Height	up to 20m
Max Wind Speed	up to 60m/s
Snow Load	up to 1.4KN/m ²
Standards	AS/NZS 1170 & DIN 1055 & Other
Material	Aluminum alloy & Stainless Steel
Color	Natural
Anti-corrosive	Anodized
Warranty	10 years warranty
Duration	More than 20 years

Introduction

TT Pitched Roof Racking System is designed with great flexibility for both commercial and residential roof solar system. It is suitable for installing framed and frameless modules fixed to pitched roofs. TT product series have the innovated design of TT Rail and D module to make the installation easier and faster. Our highly customizable pre-assembled solutions can significantly reduce your installation time and cost.

Tin Roof System



Benefits

Easy Installation

D-module can be installed onto our TT Rail from any position. Systems can be pre-assembled at our factory to save your installtime on-site.

Flexibility and Compatible

TT Rail and its accessories can be installed with most type of solar panels under different conditions.

Safety and Reliability

The racking systems can withstand various weather conditions and are complied with the A1S/NZS 170 and other international structure load standards. The main support components have also been tested to guarantee its structural stability and weight and wind load capacities.

Technical Information

Install Site	Pitched Roof
Tilt Angle	Flushed with the roof, up to 60deg
Building Height	up to 20m
Max Wind Speed	up to 60m/s
Snow Load	up to 1.4KN/m ²
Standards	AS/NZS 1170 & DIN 1055 & Other
Material	Aluminum alloy & Stainless Steel
Color	Natural
Anti-corrosive	Anodized
Warranty	10 years warranty
Duration	More than 20 years

Introduction

TT Flat Roof Racking system is developed to mount solar module in a certain tilt angle on a flat roof or ground. You can have the fixed or adjustable angle solution of 10-15deg, 15-30deg and 30-60deg according to your project requirement. TT series product have the innovative aluminum rail, D-module, clamps and legs which can be pre-assembled to make the installation easy and quick for significant savings of labor cost. Besides, the customized length of rail will not require onsite welding and cutting to maintain the appearance entirely, structural strength and ensure anti-corrosive performance.

Adjustable Tilt System



Item No.	Description
TT-AD-FL	AD Front Leg
TT-AD-RL10/15	AD Rear Leg 10/15 deg
TT-AD-RL15/30	AD Rear Leg 15/30 deg
TT-AD-RL30/60	AD Rear Leg 30/60 deg

Benefits

Easy Installation

D-module can be installed onto our TT Rail from any position. Systems can be pre-assembled at our factory to save your installtime on-site.

Flexibility and Compatible

TT Rail and its accessories can be installed with most type of solar panels under different conditions.

Safety and Reliability

The racking systems can withstand various weather conditions and are complied with the A1S/NZS 170 and other international structure load standards. The main support components have also been tested to guarantee its structural stability and weight and wind load capacities.

Technical Information

Install Site	Low profile roof or open field
Tilt Angle	10deg ~ 60deg
Building Height	up to 20m
Max Wind Speed	up to 60m/s
Snow Load	up to 1.4KN/m ²
Standards	AS/NZS 1170 & DIN 1055 & Other
Material	Aluminum alloy & Stainless steel
Color	Natural
Anti-corrosive	Anodized
Warranty	10 years warranty
Duration	More than 20 years

Introduction

TT Flat Roof Racking system is developed to mount solar module in a certain tilt angle on a flat roof or ground. You can have the fixed or adjustable angle solution of 10-15deg, 15-30deg and 30-60deg according to your project requirement. TT series product have the innovative aluminum rail, D-module, clamps and legs which can be pre-assembled to make the installation easy and quick for significant savings of labor cost. Besides, the customized length of rail will not require onsite welding and cutting to maintain the appearance entirely, structural strength and ensure anti-corrosive performance.

Fold Tri-Bracket System



Fixed System

Adjustable System

Benefits

Easy Installation

D-module can be installed onto our TT Rail from any position. Systems can be pre-assembled at our factory to save your installtime on-site.

Flexibility and Compatible

TT Rail and its accessories can be installed with most type of solar panels under different conditions.

Safety and Reliability

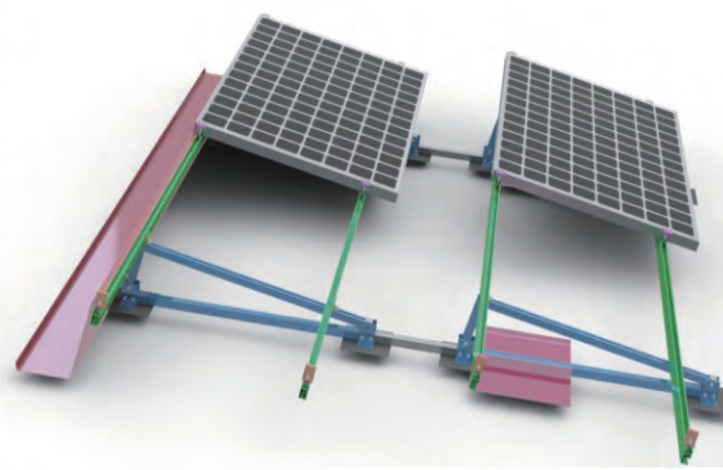
The racking systems can withstand various weather conditions and are complied with the A1S/NZS 170 and other international structure load standards. The main support components have also been tested to guarantee its structural stability and weight and wind load capacities.

Technical Information

Install Site	Low profile roof or open field
Tilt Angle	10deg ~ 60deg
Building Height	up to 20m
Max Wind Speed	up to 60m/s
Snow Load	up to 1.4KN/m ²
Standards	AS/NZS 1170 & DIN 1055 & Other
Material	Aluminum alloy & Stainless steel
Color	Natural
Anti-corrosive	Anodized
Warranty	10 years warranty
Duration	More than 20 years

Introduction

TT Ballasted Mounting System is a highly engineered solution that secures the array without damaging the flat roof. It is compatible with the usual framed modules and typically does not require roof penetration. Made of light weight and strong aluminum construction, the TT ballasted solution components are pre-assembled and trimmed to prevent corrosion and save your installation time and labor cost.



Benefits

Easy Installation

D-module can be installed onto our TT Rail from any position. Systems can be pre-assembled at our factory to save your installtime on-site.

Flexibility and Compatible

TT Rail and its accessories can be installed with most type of solar panels under different conditions.

Safety and Reliability

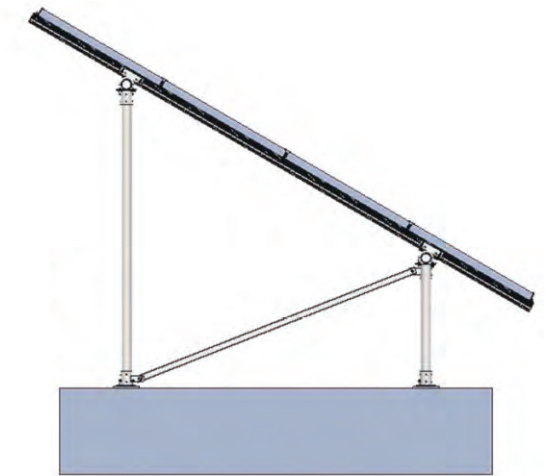
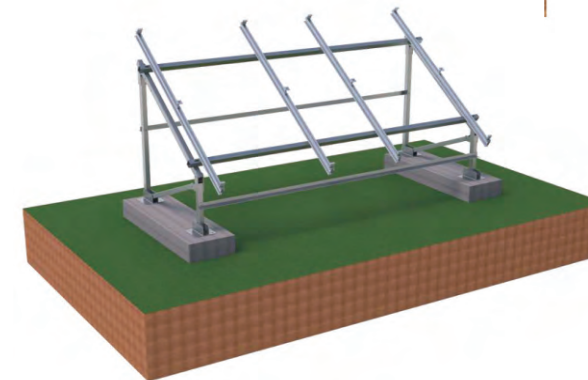
The racking systems can withstand various weather conditions and are complied with the A1S/NZS 170 and other international structure load standards. The main support components have also been tested to guarantee its structural stability and weight and wind load capacities.

Technical Information

Install Site	Low profile roof or open field
Tilt Angle	10deg, 15deg, 20deg
Building Height	up to 20m
Max Wind Speed	up to 60m/s
Snow Load	up to 1.4KN/m ²
Standards	AS/NZS 1170 & DIN 1055 & Other
Material	Aluminum Alloy & StainlessSteel
Color	Natural
Anti-corrosive	Anodized
Warranty	10 years warranty
Duration	More than 20 years

Introduction

TT AL-Ground Mounting System is made of 100% aluminum for mounting on concrete strip foundations or ground screws. It is featured with light weight, strong structure, and recyclable material. With TT AL-Ground Mounting System, Beam, legs and rails are manufactured and pre-assembled in the factory avoid welding and cutting onsite to save installation cost. Our mission is to simplify your installation and ensure the structure safety.



Benefits

Easy Installation

Parts have been pre-assembled at factory to save your installation time.

Safety and Reliability

The structure is designed and tested strictly against the extreme weather simulations.

Flexibility and Adjustable

Smart design reduces the difficulty of the installation on most condition.

10 Years Warranty

Titanergy provides a 10-years warranty for the material and structure.

Technical Information

Install Site	Open Field
Max Wind Speed	up to 60m/s
Snow Load	up to 1.4KN/m ²
Module Type	Framed or Frameless
Module Orientation	Portrait
Main Material	Anodized Aluminum
Fasten Material	Stainless Steel
Foundation	Concrete With Pre-Buried Bolts Ground Screw

Introduction

TT C-Steel Mounting System is applicable for solar photovoltaic systems on open fields. The steadiness and safety of this system is compatible with the international structural mechanics and construction standards. The system can be modified to suit different foundation solutions, such as concrete with pre-buried bolt, direct buried and ground screws. Material used include hot galvanized steel and anodized aluminum alloy, with anti-corrosive coating suitable for outdoor application. As per practical requirements, the system is able to be planned and customized at the factory to avoid welding and cutting onsite.



Benefits

Easy Installation

Engineered and assembled at the factory to save your time and cost.

Steady and Safety

Our systems are designed in accordance to the international structural mechanics and construction standards.

Excellent Duration

All raw materials are coated with high quality anti-corrosion protection.

Great Flexibility

With our mounting system, ground mount solar arrays can be planned on a per kilowatt or megawatt cluster basis.

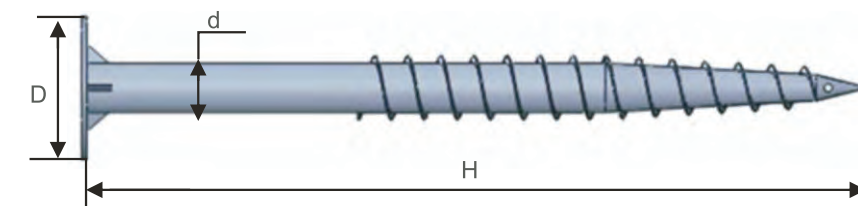
Technical Information

Install Site	Open Field
Tilt Angle	10deg ~ 60deg
Building Height	up to 20m
Max Wind Speed	up to 60m/s
Snow Load	up to 1.4KN/m ²
Standards	AS/NZS 1170 & DIN 1055 & Other
Main Material	Galvanized Steel
Color	Natural
Anti-corrosive	Hot Galvanized
Warranty	10 years warranty
Duration	More than 20 years

GROUND SCREW

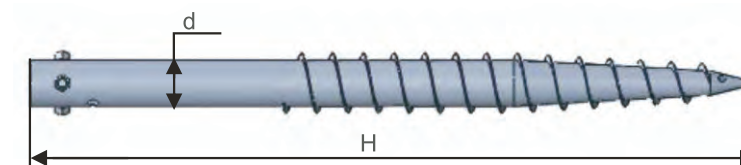
Ground Screw with Flange Plate

Item No.	D(mm)	d(mm)	H(mm)
TT-GS-F-1200	220	76	1200
TT-GS-F-1600	220	76	1600
TT-GS-F-2000	220	76	2000
TT-GS-F-2400	220	76	2400



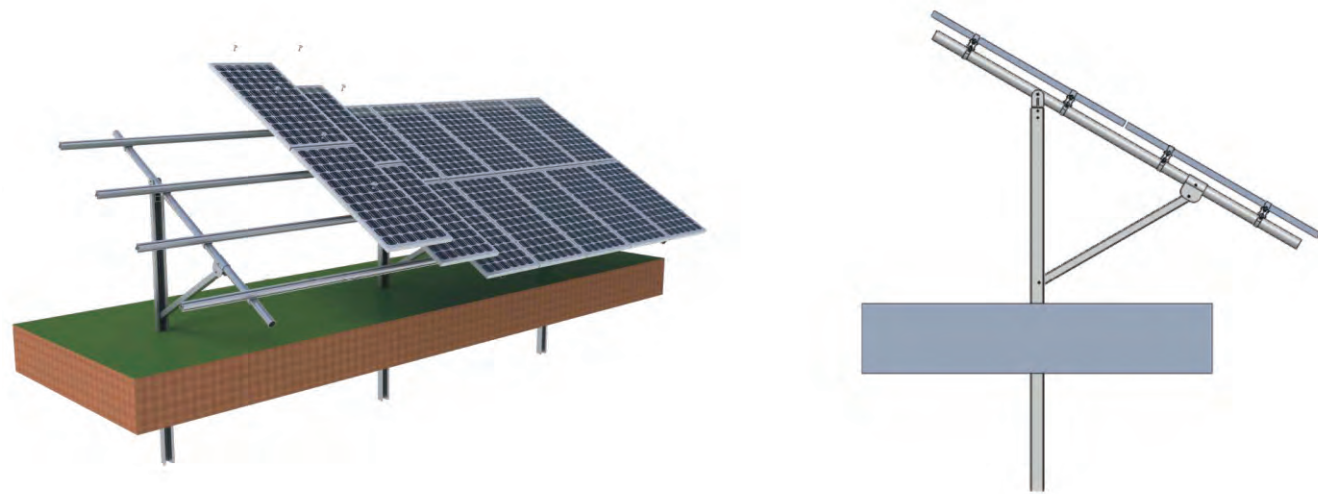
Ground Screw without Flange Plate

Item No.	d(mm)	H(mm)
TT-GS-1200	76	1200
TT-GS-1600	76	1600
TT-GS-F-2000	76	2000
TT-GS-F-2400	76	2400



Introduction

TT Pile Ground System is designed for large scale commercial and utility PV systems on non-soil ground, suitable for both framed and frameless module installation. Open Post can be pile into the ground 1-2 meters by piling machine quickly, then Al-Beam structure and B-Rail with clamps can be easily mounted onto the system. Our mission is to simplify your installation and ensure the structure safety.



Benefits

Easy Installation

Parts have been pre-assembled at factory to save your installation time.

Safety and Reliability

The structure is designed and tested strictly against the extreme weather simulations.

Flexibility and Adjustable

Smart design reduces the difficulty of the installation in most conditions.

10 Years Warranty

Titanergy provides a 10-years warranty for the material and structure.

Technical Information

Install Site	Open Field
Max Wind Speed	up to 60m/s
Snow Load	up to 1.4KN/m ²
Module Type	Framed or Frameless
Module Orientation	Portrait
Rail Material	Anodized Aluminum
Post Material	Hot-dip Galvanized Steel
Adjustability	Post Height Deviation: 10mm
	Post Angle Deviation: 2°
	Post Verticality Deviation: 2°
	Pile Driving Depth: 1000~2000mm
Soil Condition	Non-Sandy

Introduction

TT Pole Mount System is designed to install solar panels on a single pole. According to different conditions, several kinds of solutions are available. TT Pole Mount System takes the importance of safety and duration. The systems have been engineered and tested to comply with the structural mechanics standards. Material used include hot galvanized steel and anodized aluminum alloy, with high quality anti-corrosive coating suitable for outdoor applications.



Benefits

Easy Installation

Integrated Design with the support pole to minimize time and cost of installation.

Steady and Safety

Designed and tested in according to the structural mechanics and construction standards.

Excellence Duration

All the material selected have high quality anti-corrosion protection.

Great Flexibility

Tilt angle can be adjusted according to the actual criteria quality for the projects.

Install	Open Field
Tilt Angle	10deg~60deg
Building Height	20 meters
Max Wind Speed	Up to 60m/s
Max Snow Load	up to 1.4KN/m ²
Standard	AS/NZS1170 and other
Post Material	Galvanized Steel
Rail Steel	Anodized Aluminum
Warranty10	10 Years Warranty

PROJECT CASES



PROJECT CASES

