



Technical Parameters

Installation Site	Ground	Design Standard	Euro Code/EN1991/1993/1994, BS 6399 , ASCE 7-10
Foundation	Concrete Base or Ground Screw		International Building Code IBC 2009
Tilt Angle	0-60°		California Building Code CBC 2010
Wind Load	≤60m/s	Material	AL6005-T5(Anodized)
Snow Load	≤1.6KN/m²	Fastener	SUS304 & Zinc-Nickel Alloy Electroplated Steel
Ground Clearance	500-2000mm	Small Components	AL6005-T5(Anodized)
Applicable Solar Module	Framed or Frameless	Color	Silver or Customized
Panel Layout	Portrait or Landscape	Warranty	10-Year Warranty

Overview

Spiral pile (photovoltaic bracket) is a highly pre-assembled ground mounting system,with strong wind load and snow load resistance. The system can achieve minor adjustment onsite with special design of Anchor Plate to adapt to different sites, and is mainly applied to medium to large scale solar PV projects. patented and certified system design ensure projects safety and quick installation.



Adbantages

Pre-assembled Components Save Onsite Installation Time

Solution design case by case, most components pre-assembled in factory,no onsite cut and drill request, saving the onsite installation time and cost.

Flexibility and Adjustability

The structure can be adjusted with some tolerance with east-west , west-south and south-north directions, assuring flexible on-site installation to achieve best yield for solar modules.

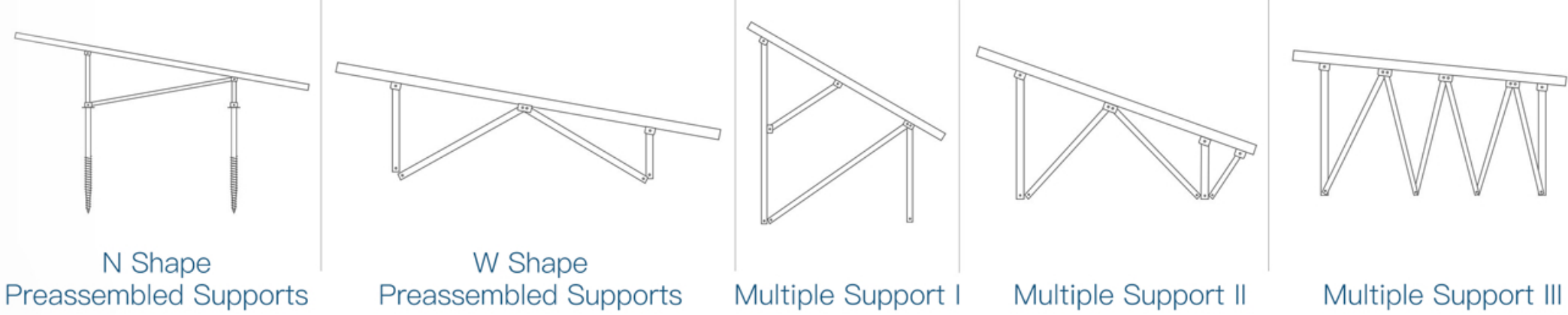
Quick Modular Kit Fixation

Most of the components are designed as modular kit with anodized aluminum to further ensure easy and fast construction on site

No Drill on Portrait Beam


It improves the strength of the system to fix the portrait beam onto the post by special designed clamps, with force at the same direction of the gravity.

Structure




Componet Details

1




Cross Beam 85
Specification: L*71*85
Standard Length: 3100mm
4100mm
5100mm

2




Splice for Cross Beam 85
Specification: L260MM
Components: Hexa Self-Tapping Screw
With EPDM Washer ST6.3*19

3




Preassembled Support
Components: Cross Beam 80 Square Tube A
C Clamp 80 Square Tube B
T Front Joints Square Tube C
T Back Joints Flat Washer M12
Spring Washer M8 Spring Washer M12
Flat Washer M8
Flat head Hexagon Bolt
External Hexagon Bolt M12
External Hexagon Bolt M12*90

4




C Clamp Kit
Components: C Clamp
Cross Module
Spring Washer M8
Hexagon Scket Head Bolt M8*28

5




Wide End Clamp Kit
Components: Wide End Clamp
Cross Module
Spring Washer M8
Hexagon Socket Head Bolt

6



U25 Inter Clamp Kit
Components: Inner Clamp
Cross Module
Spring Washer M8
Hexagon Socket Head Bolt

7



Corrugated T Anchor Plate Kit
Components: Corrugated Gasket
Corrugated T Plate
Hexagon Bolt Kit
Material: AL6005-T5(Anodized0

8



Corrugated U Anchor Plate Kit
Components: Corrugated Washer
Corrugated U Anchor Plate
M12*95 External Hexagon Bolt Kit
Material: AL6005-T5(Anodized0

Installation Guide

