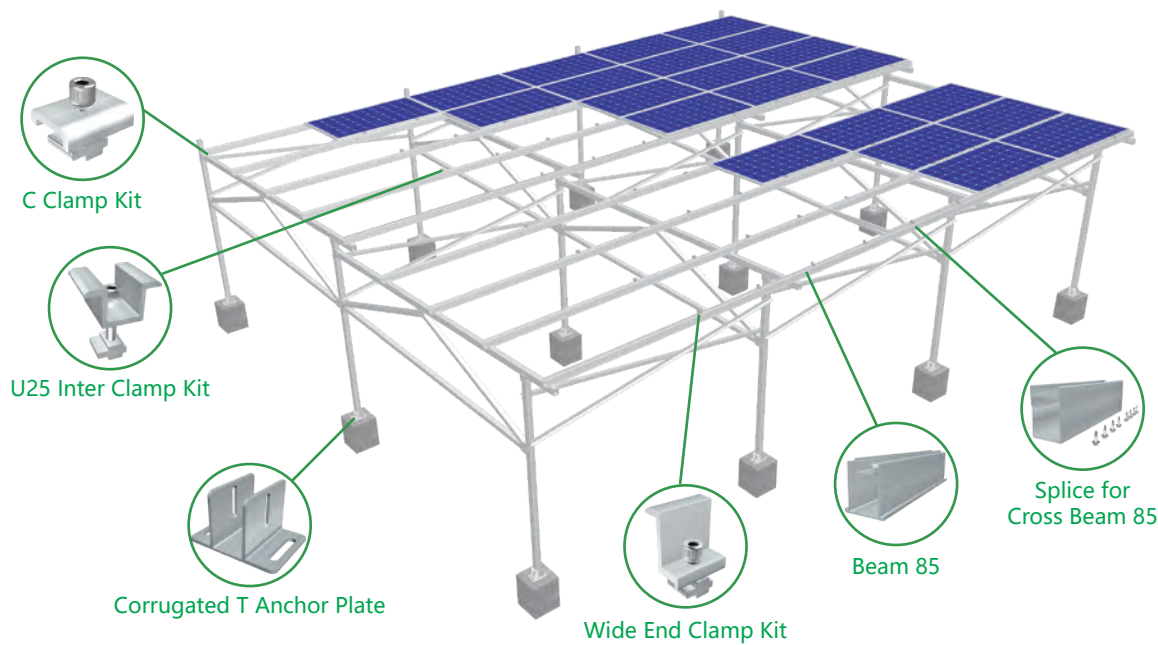


MRac[®] Agricultural Greenhouse Mounting System



Technical Parameters

Installation Site	Ground	Design Standard	AS/NZS 1170 , DIN 1055 , JIS C 8955: 2017 ,
Foundation	Concrete foundation,Ground screw		International Building Code IBC 2009 ,
Tilt Angle	0-30°		California Building Code CBC 2010
Wind Load	80m/s	Material	AL6005-T5 (Anodized)
Snow Load	1.6KN/m ²	Fastener	Zinc-Nickel Alloy Electroplated Steel
Ground Clearance	1800mm+	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

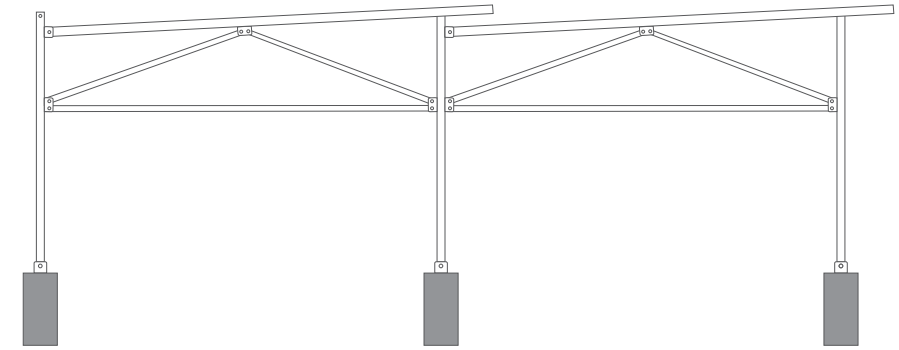
MRac Agricultural Greenhouse Mounting System is mainly applied to the installation of agricultural solar PV farms, achieving the dual-use of lands. According to the varied solar module arrays, the light exposure requirement of plant and the dimension of farming machines, Mibet Energy will design a suitable mounting system solution with highly pre-assembled structure to guarantee easy and quick installation.



Advantages

- > **Dual-Use of Land Improve the Economic Benefit**
Install solar projects above the planting land, achieving the dual-use of land to improve the economic benefit.
- > **Create Different Growing Conditions for Different Plants**
To satisfy the different light exposure requirements of varied plants, MRac agricultural greenhouse mounting system can be installed with different transmittance solar modules or different solar module arrays.
- > **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.
- > **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



Component Details

- Beam 85**
Specification: L*71*85
Standard Length: 3100mm
4100mm
5100mm
- Splice for Cross Beam 85 kit**
Specification: L260mm
Components: Splice for Cross Beam 85
Hexa Self-Tapping Screw
With EPDM Washer ST6.3*19
- Pre-assembled Structures**
Components: 50*55Tube, U-shape Connector
T-shape Connector, 50*55C Clamp kit
Corrugated gasket, Flat washer M8
Spring washer M8, Flat washer M12
Hexagon Socket Head Bolt M8*20
Flat washer M12, Spring washer M12
Hexagon Socket Head Bolt M12*95
Hexagon Socket Head Nuts
Hexagon Socket Head Bolt M12*90
- C Clamp Kit**
Components: C Clamp
Cross Module
Spring Washer M8
Hexagon Socket Bolt
- Wide End Clamp Kit**
Components: Wide End Clamp
Cross Module
Spring Washer M8
Hexagon Socket Bolt
- U25 Inter Clamp Kit**
Components: U25 Inter Clamp
Cross Module
Spring Washer M8
Hexagon Socket Bolt
- Post A/B/C**
Components: 55*55Tube
U-shape Connector
U-shape Single Connector,
T-shape kit
Flat washer M12
Spring washer M12
Hexagon Socket Head Bolt M12*90
Spring washer M8
Hexagon Socket Head Bolt M8*20
- Corrugated T Anchor Plate Kit H100-L120**
Components: Corrugated Gasket
Corrugated T Plate
Hexagon Bolt Kit
Material: AL6005-T5 (Anodized)

Installation Guide

- Make Concrete Base with Embedded Bolt according to the solution.
- Install Foundation.
- Install Post.
- Install Preassembled Support.
- Install Inclined Support.
- Install Beam.
- Fasten solar panels by Inner Clamp Kit and End Clamp Kit.
- Installation completed.