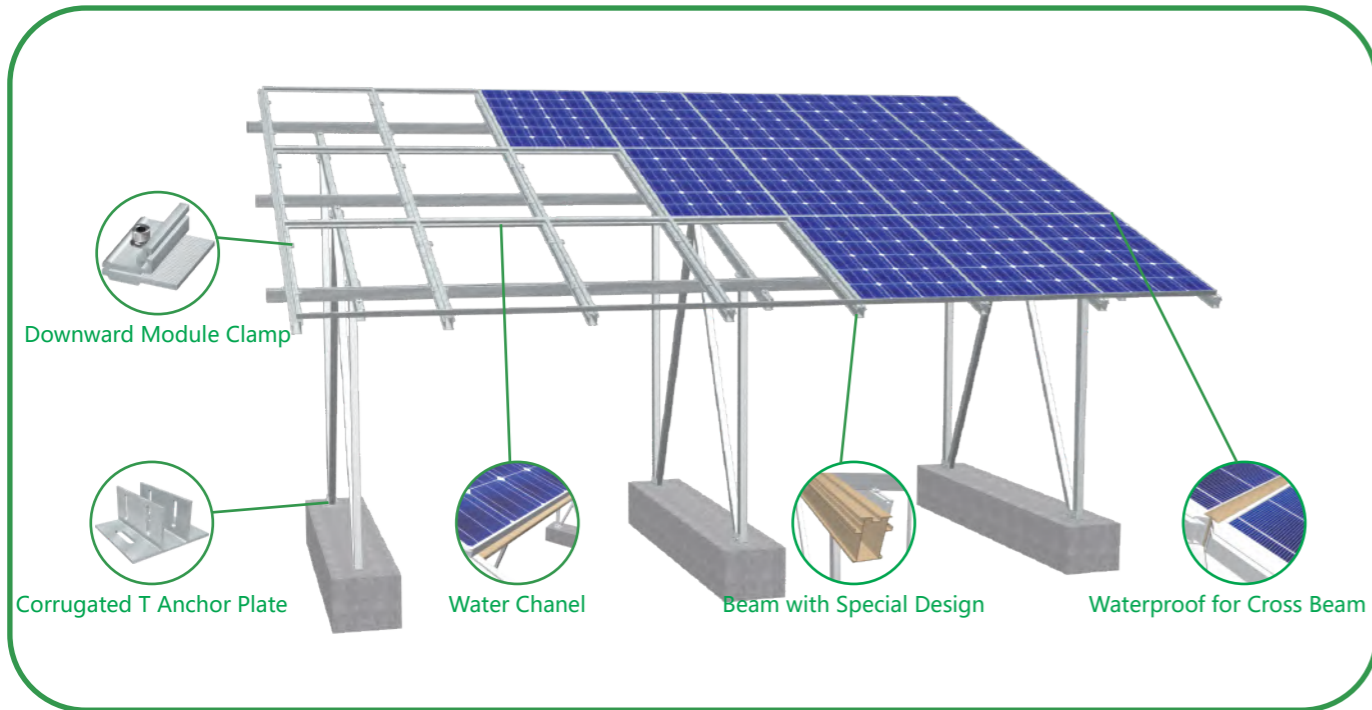


# MRac<sup>®</sup> Waterproof Solar PV Mounting System



## Technical Parameters

Installation Site	Ground or Flat Rooftop	Design Standard	AS/NZS 1170 , DIN 1055 , JIS C 8955: 2017 ,
Foundation	Ground Screw or Concrete Foundation		International Building Code IBC 2009 ,
Tilt Angle	0-10°		California Building Code CBC 2010
Wind Load	60m/s	Material	AL6005-T5(Anodized)
Snow Load	1.6KN/m <sup>2</sup>	Fastener	SUS304 or Zinc-Nickel Alloy Electroplated Steel
Ground Clearance	500-2000mm	Small Components	AL6005-T5(Anodized)
Applicable Solar Module	Framed	Color	Nature Silver or Customized
Panel Layout	Portrait or Landscape	Warranty	10-Year Warranty

## Overview

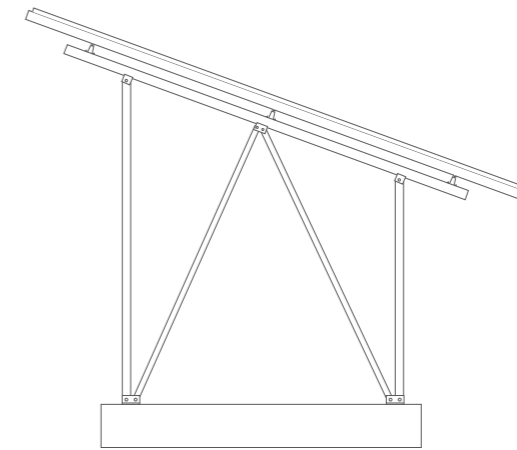
MRac Waterproof Solar PV Mounting System is suitable for installation of medium and small-scale Solar PV Power plants, highly pre-assembled with excellent wind and snow resistance. This system is adjustable from both up-down direction and left-right direction, greatly reduce the installation precision requirement. Application of the secondary beam and downward component kits achieve perfect waterproof effect. Professional structure design ensures the strength of the whole system, and highly improve the installation efficiency.



## Advantages


- > **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.
- > **Structure Waterproof**  
Structure waterproof beam design improves the anti-leaking and drainage capacity.
- > **Downward Module installation**  
Fixing clamps under the solar module frames with downward module clamps improve the module installation efficiency, workers no need to climb onto the panel, effectively save the installation time.


## Structure





## Component Details


- 


**Conical symmetric Rail 87**  
Specification: L\*58\*90  
Standard Length: 3100mm  
4100mm  
5100mm
- 

**Splice for Conical symmetric Rail 87**  
Specification: L260mm  
Components: Hexa Self-Tapping Screw  
With EPDM Washer ST6.3\*19
- 

**Secondary Beam 90**  
Specification: L\*66\*90  
Material: AL6005-T5 (Anodized)
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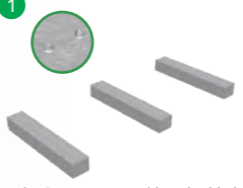
**C Clamp Kit**  
Components: C Clamp  
Symmetric Cross Module  
Spring Washer M8  
Hexagon Socket Bolt
- 


**Downward Module Clamp Kit**  
Components: 横排卡块W45  
次梁卡块  
弹垫M8  
内六角螺栓M8\*20
- 

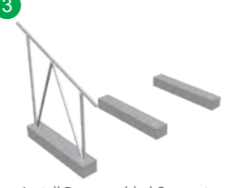
**Corrugated T Anchor Plate**  
Components: Corrugated Gasket  
Corrugated T Plate  
Hexagon Bolt Kit  
Material: AL6005-T5 (Anodized)
- 


**Water Chanel**  
Material:AL6005-T5 (Anodized)


## Installation Guide


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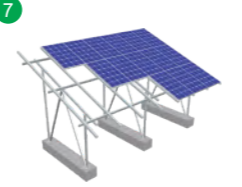
1. Make Concrete Base with Embedded Bolt Kits according to the solution.
- 


2. Install Anchor Plate.
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3. Install Preassembled Support.
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4. Install Rail.
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5. Install Secondary Beam 90.
- 

6. Complete Secondary Beam 90 installation.
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7. Fasten solar panels by Inner Clamp Kit and End Clamp Kit.
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8. Installation completed.