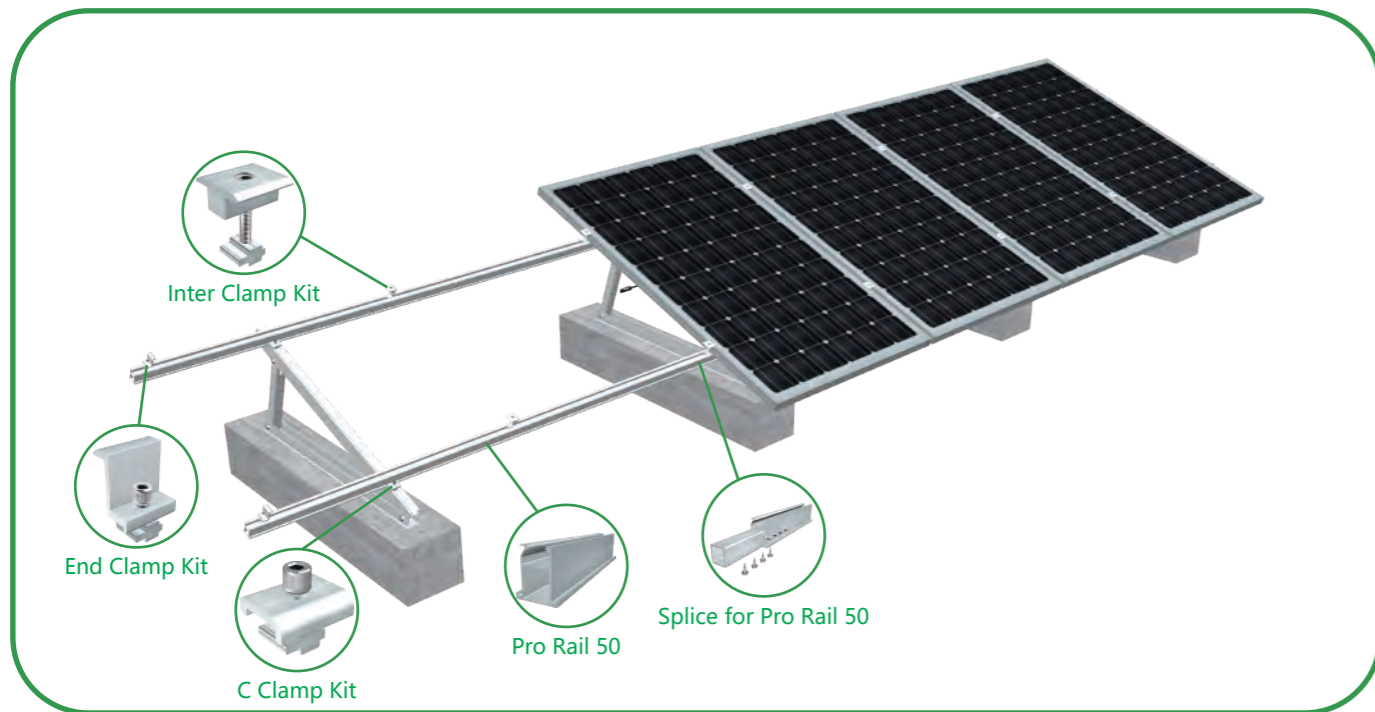


# MRac<sup>®</sup>

## MRac Roof Solar PV Mounting System Matrix II

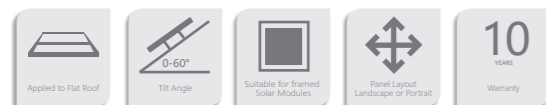


### Technical Parameters

System Name	MRac RMII	Design Standard	AS/NZS 1170 , DIN 1055 , JIS C 8955 : 2017,
Installation Site	Flat Roof, Pitched Roof		International Building Code IBC 2009
Foundation	Concrete Roof, Metal Roof		California Building Code CBC 2010
Tilt Angle	0-60°	Material	AL6005-T5(Anodized)
Wind Load	60m/s	Fastener	SUS304 & Zinc-Nickel Alloy Electroplated Steel
Snow Load	1.6KN/m <sup>2</sup>	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

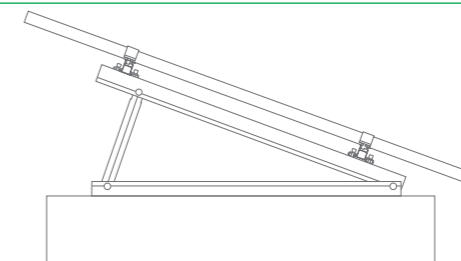
MRac Roof Solar PV Mounting System Matrix II is derived from RM I to meet different roof projects demands. Solar modules can be arranged with single or double rows of landscape or portrait orientation. Quick installation and stable structure are assured by the modular Patented design.




### Advantages


- > **System Compatibility**  
Components mostly pre-assembled in factory to assure quick and reliable installation on site. Suitable for different flat rooftop, and compatible to different types of solar modules.
- > **Unique Mudsill Design**  
The mudsill can be fixed to flat roof or pitched roof with concrete foundation or steel foundation.
- > **Solar Module Layout Flexibility**  
Both landscape and portrait solar module layout are suitable. Both single row and double rows layout can be achieved separately or combined.
- > **Adjustability**  
Tilt angle can be adjustable


### Structure




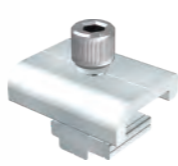
### Component Details


- 


**Pro Rail 50**  
Item No.: MR-R-Pro50  
Specification : 3100, 4100, 5100mm  
Material : AL6005-T5(Anodized)
- 


**Splice for Pro Rail 50**  
Item No.: MR-SP-RPro50  
Specification : standard length 260mm  
Flange Head Self-taping Screw ST6.3\*19  
Material : AL6005-T5(Anodized)
- 


**End Clamp Kit**  
Item No.: MR-EC-ST  
Components: End Clamp  
Cross Module  
Spring Washer M8  
Hex Socket Head Bolt
- 

**Inter Clamp Kit**  
Item No.: MR-IC-ST  
Components: Inter Clamp  
Cross Module  
Spring Washer M8  
Hex Socket Head Bolt
- 

**C Clamp Kit**  
Item No.: MR-CC-T  
Components: C Clamp  
Cross Module  
Spring Washer M8  
Hex Socket Head Bolt
- 

**Angle Aluminum Tripod Support**  
Item No.: MR-RM2-AAT  
Components: Angle Aluminum Beam  
Angle Aluminum Mudsill  
Angle Aluminum Side Beam  
flat washerM8  
spring washerM8  
Hexagon Bolt M8\*2.5
- 

**Single Tripod Support**  
Item No.: MR-RM2-ST  
Components: Tripod Support Beam  
Tripod Support Mudsill  
Tripod Support SquareTubeA  
H Joinder  
Flat Washer M10  
Spring Washer M10  
Hexagon Bolt M10\*65
- 

**Double Tripod Support**  
Item No.: MR-RM2-DT  
Components: Tripod Support Beam  
Tripod Support Mudsill  
Tripod Support Square Tube A/B  
H Joinder  
Flat Washer M10  
Spring Washer M10  
Hexagon Bolt M10\*65
- 

**Adjustable Tripod**  
Item No.: MR-RM2-AT  
Components: Tripod Support Beam  
Tripod Support Mudsill  
Tripod Support Square Tube A  
H Joinder  
Flat Washer M10  
Spring Washer M10  
Hexagon Bolt M10\*65

### Installation Guide

- Place the concrete base at the position indicated on the solution drawings.
- Fasten the preassembled supports on the expansion bolts by C Clamps.
- Install splices.
- Fasten the rails by C Clamp Kits.
- Install modules on the rails.
- Fasten modules by Inner Clamp Kits.
- Fasten modules by End Clamp Kits.
- Complete installation.