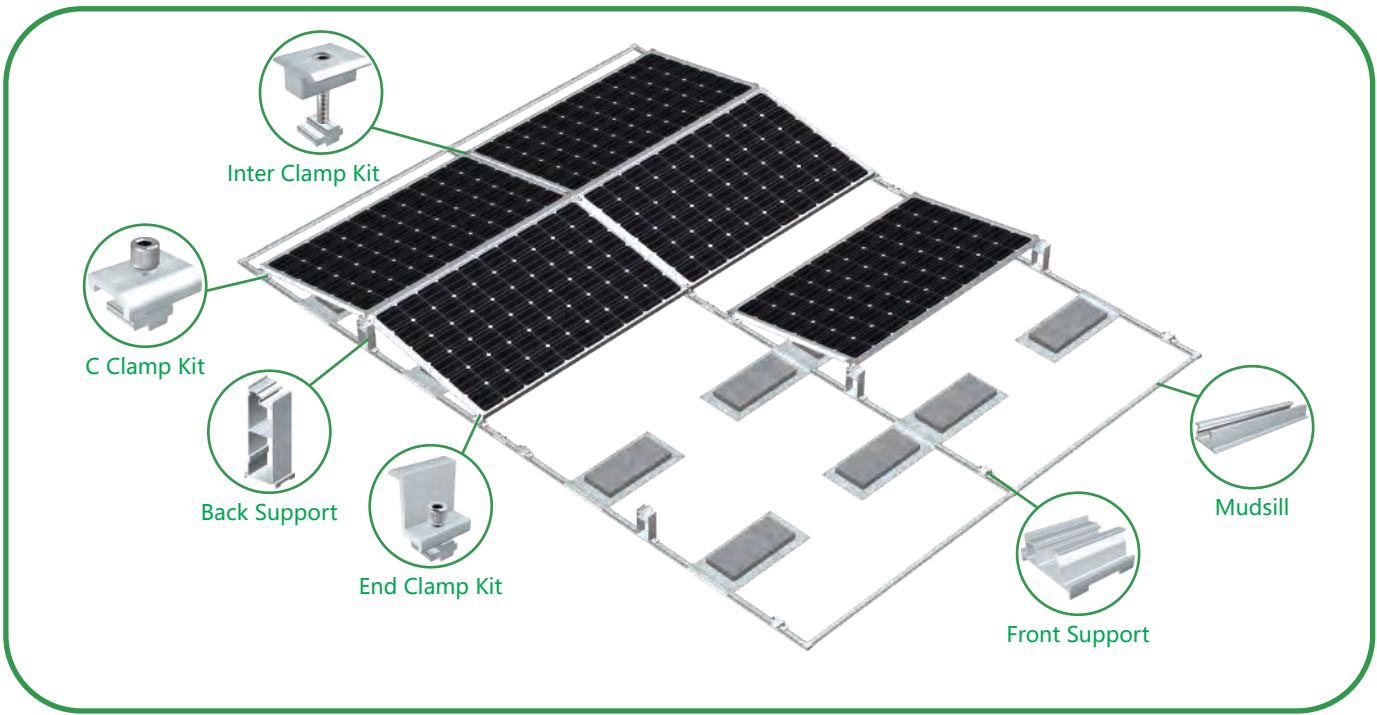


MRac[®]

MRac Roof Solar PV Mounting System Matrix I



Technical Parameters

System Name	MRac Roof Solar PV Mounting System Matrix I	Design Standard	AS/NZS 1170 、 DIN 1055 、 JIS C 8955: 2017
Installation Site	Flat Roof ,Ground		International Building Code: IBC 2009
Foundation	Concrete Roof		California Building Code: CBC 2010
Tilt Angle	5 ° , 10 °	Material	AL6005-T5(Anodized)
Wind Load	60m/s	Fastener	SUS304 &Zinc-Nickel Alloy Electroplated Steel
Snow Load	1.6KN/m ²	Small Components	AL6005-T5 (Anodized)
Applicable Solar Module	Framed	Color	Silver or Customized
Panel Layout	Landscape	Warranty	10-Year Warranty

Overview

MRac Roof Solar PV Mounting System Matrix I is a non-penetration solution for flat rooftop. The system achieves high wind resistance performance and fast onsite installation with concrete ballast and patented structure design.

Save Installation Time With Highly Pre-assembled Structure



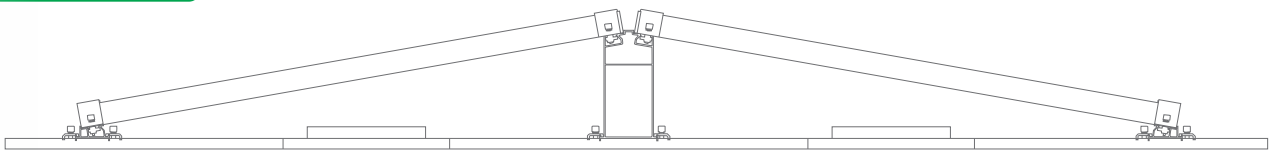
Customized design is available, flexible and multiple components can be chosen. Highly pre-assembled structure and no cutting or drilling on site save installation time and cost greatly.



Advantages

- > **High Durability Ensure the Structure Strength**
Professional structure design and high-density aluminum material ensure the stability and strength of the structure.
- > **Unique Matrix Design**
The matrix design further assures the stability of the whole system, and flexibly compatible with concrete block or ballast foundation.
- > **Reasonable Installation and Package Design**
Simplified components configuration lead to quicker installation and smaller package size, saving installation cost and freight.

Structure



Component Details

- 1

Front Support
Item No.: MR-RM1-FS
Specification: L60
Material: AL6005-T5(Anodized)
- 2

Back Support
Item No.: MR-RM1-BS
Specification: L60
Material: AL6005-T5(Anodized)
- 3

One - sided Ballasted Tray
Item No.: MR-RM1-OBT
Specification: 450*550
Material: Galvanized Sheet
- 4

Two-sided Ballasted Tray
Item No.: MR-RM1-TBT
Specification: 850*550
Material: Galvanized Sheet
- 5

End Clamp Kit
Item No.: MR-EC-ST
Components: End Clamp
Cross Module
Spring Washer M8
Hex Socket Head Bolt
- 6

U20 Inter Clamp Kit
Item No.: MR-IC-U20
Components: Inter Clamp
Cross Module
Spring Washer M8
Hex Socket Head Bolt
- 7

C Clamp Kit
Item No.: MR-CC-T
Components: C Clamp
Cross Module
Spring Washer M8
Hex Socket Head Bolt
- 8

Wind Deflector
Item No.: MR-RM1-WD
Components: Flat Washer M8
Spring Washer M8
Hexagon Socket Head Bolt Kit M8*18
- 9

Mudsill
Item No.: MR-RM1-M
Specification: L1350,L2700
Material: AL6005-T5(Anodized)
- 10

Splice for Mudsill
Item No.: MR-RM1-SpM
Material: AL6005-T5(Anodized)

Installation Guide

- 1

Place Mudsills as indicated in solution drawings.
- 2

Fasten Front Supports and Back Supports on the Mudsills by C Clamp Kit.
- 3

Fasten Ballasted Trays.
- 4

Put ballasts on Ballasted Tray.
- 5

Fasten modules on the Front Supports and Back Supports.
- 6

Fasten modules by Inner Clamp Kits.
- 7

Complete installation.