

try My BesT, to be the best!

**MIBET
ENERGY**

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MRac Product Catalogue

www.mbt-energy.com



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MRac Solar RoofOn is specially developed for the maximum flexibility in designing for both residential and commercial rooftop solar systems. Using our patented components, the panels can be freely installed on almost all even and sloping surfaces, no matter what tile material it is. The system is also impressive coz of its top-quality material, high compatibility and overall concept.

Technical Parameters

Installation Site:	Pitched Roof (Flat roof per request)
Installation Angle:	5-45°
Wind Load:	80m/s
Snow Load:	1.6KN/m²
PV Modules:	Framed, unframed
Module Orientation:	Portrait and landscape
Standards:	AS/NZS 1170
	DIN 1055
	JIS C 8956: 2011
	International Building Code IBC 2009
	California Building Code CBC 2010
Profile Material:	Al6005-T5
Fasten Parts:	SUS304
Small Components:	Al6005-T5
Color:	Silvery or according to customer requirements
Warranty:	10 years



MRac Rails

PRODUCT CENTER



MR-R-LSym Light Symmetrical Rail

Spec.(mm): Lx30x39

Material: Al6005-T5

Standard Length: 3100, 4100, 5100mm

MR-R-ST

Standard Rail

Spec.(mm)
Lx34.2x50

Material
Al6005-T5

Standard Length
3100, 4100, 5100mm

MR-R-Pro

Pro Rail

Spec.(mm)
Lx37x50

Material
Al6005-T5

Standard Length
3100, 4100, 5100mm

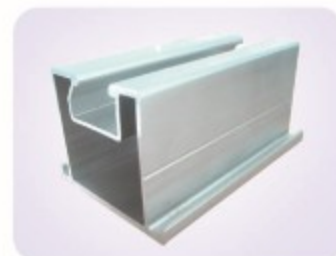
MR-R-Sym

Symmetrical Rail

Spec.(mm)
Lx37x50

Material
Al6005-T5

Standard Length
3100, 4100, 5100mm

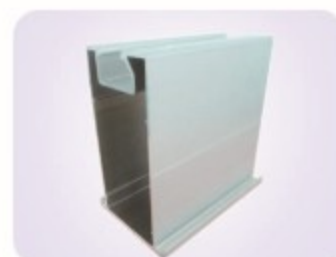


MR-R-50 Rail 50

Spec.(mm): Lx64.5x50

Material: Al6005-T5

Standard Length: 3100, 4100, 5100mm



MR-R-105 Rail 105

Spec.(mm): Lx64.5x105

Material: Al6005-T5

Standard Length: 3100, 4100, 5100mm

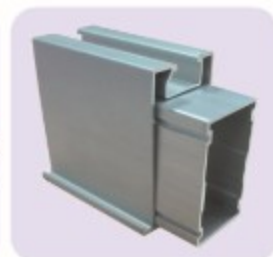
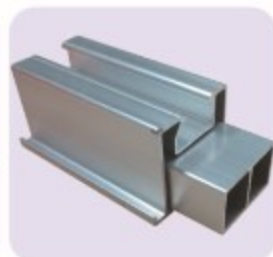
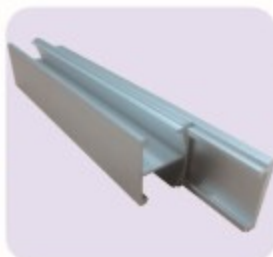
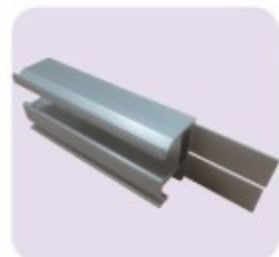


Feature: Patented design offers a quick installation with interfaces and clamps.

MIBET ENERGY



MRac Rail Splices



① Splice for Standard Rail

② Splice for Light Symmetrical Rail

③ Splice for Rail 50

④ Splice for Rail 105



MR-SP-ST, Pro, Sym Splice for Standard, Pro, Sym Rail

Spec.(mm): L100

Material: Al6005-T5

Fasten Parts: Self-tapping Screw ST6.3*22



MR-SP-LST Splice for Light Symmetrical Rail

Spec.(mm): L100

Material: Al6005-T5

Fasten Parts: Hexagon Socket Head Bolt M8*12

PRODUCT CENTER



MR-SP-50

Splice for Rail 50

Spec.(mm): L260

Material: Al6005-T5

Fasten Parts: Self-tapping Screw ST6.3*22



MR-SP-105

Splice for Rail 105

Spec.(mm): L260

Material: Al6005-T5

Fasten Parts: Self-tapping Screw ST6.3*22

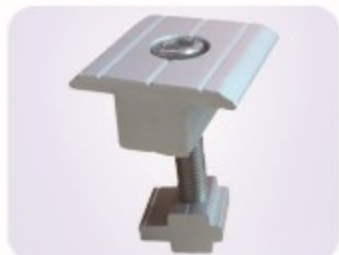
Product advantages

The patented Rail Splices ensure no need of any on-site cutting, extending the rails to the requested length easily.

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MRac Standard Clamps



MR-IC-ST

Inter Clamp Kit

Inter Clamp

Cross Module

35mm with hexagon socket head bolt M8*45

40mm with hexagon socket head bolt M8*50

45mm with hexagon socket head bolt M8*55

50mm with hexagon socket head bolt M8*60

55mm with hexagon socket head bolt M8*65

Spring Washer M8.4

Feature: Suitable for the universal framed panels.



MR-EC-ST

End Clamp Kit

End Clamp Module 35mm

End Clamp Module 40mm

End Clamp Module 45mm

End Clamp Module 50mm

End Clamp Module 55mm

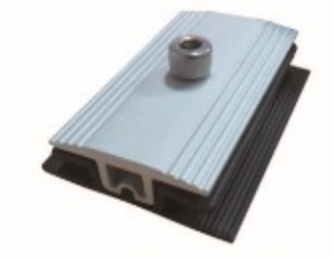
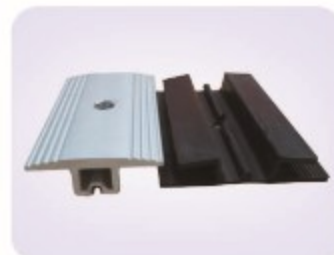
Cross Module

Hexagon Socket Head Bolt M8*25

Spring Washer M8.4

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MR-IC-STF

Inter Clamp for Thin Film Modules

Inter Clamp

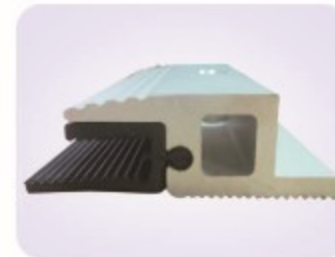
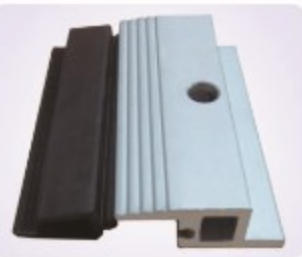
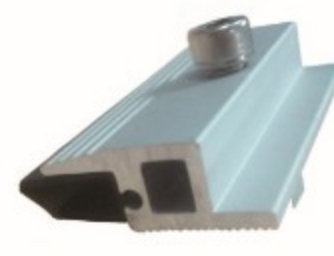
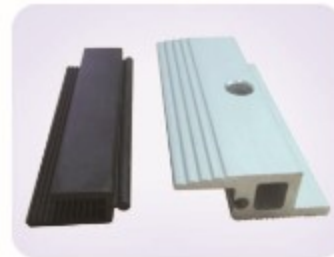
Cross Module

Hexagon Socket Head Bolt M8*35

Spring Washer M8.4

Rubber Pad

Feature: Suitable for the universal frameless panels.



MR-EC-STF

End Clamp for Thin Film Modules

End Clamp

Cross Module

Hexagon Socket Head Bolt M8*35

Spring Washer M8.4

Rubber Pad





MRac RoofOn Interfaces



MR-RI-01 Tile Interface 132H

Roof Hook(Height: 132mm)	Sharp-Point Wood Screw M8*80
Side Clip 40	Flange Nut M8
Washer M8.5*20	Round Head Square Neck Bolt M8*30
Conical Spring	Light to Medium Snow Load



MR-RI-02 Tile Interface 145H

Roof Hook(Height: 145mm)	Sharp-Point Wood Screw M10*100
Side Clip 45	Flange Nut M8
Washer M8.5*20	Round Head Square Neck Bolt M8*30
Conical Spring	Heavy Snow Load



MR-RI-03 Tile Interface 117HA

Roof Hook(Height: 117-147mm)	Sharp-Point Wood Screw M8*80
Hexagon Nut M8	Hexagon Socket Bolt M8*25
Spring Washer M8.4	Flat Washer M8
Side Clip 40	Flange Nut M8
Washer M8.5*20	Round Head Square Neck Bolt M8*30
Conical Spring	Adjustable for Light to Medium Snow Load



MR-RI-04 Tile Interface 120HA

Roof Hook(Height: 120-150mm)	Sharp-Point Wood Screw M8*80
Hexagon Nut M8	Hexagon Socket Bolt M8*25
Spring Washer M8.4	Flat Washer M8
Side Clip 45	Flange Nut M8
Washer M8.5*20	Round Head Square Neck Bolt M8*30
Conical Spring	Adjustable for Heavy Snow Load

PRODUCT CENTER



MR-RI-05

Flat Tile Interface 125H

Roof Hook(Height: 125mm)
Sharp-Point Wood Screw M10*100
Side Clip 40
Flange Nut M8
Washer M8.5*20
Round Head Square Neck Bolt M8*30
Conical Spring



MR-RI-06

Flat Tile Interface For Tegalit Roof 132H

Roof Hook(Height: 132mm)
Sharp-Point wood screw M10*100
Side Clip 40
Flange Nut M8
Washer M8.5*20
Round Head Square Neck Bolt M8*30
Conical Spring



MR-RI-07

Flat Tile Interface (Adjustable) 107HA

Roof Hook(Height: 107-137mm)
Sharp-Point Wood Screw M8*80
Hexagon Nut M8
Hexagon Socket Bolt M8*25
Spring Washer M8.4
Flat Washer M8
Side Clip 40
Flange Nut M8
Washer M8.5*20
Round Head Square Neck Bolt M8*30
Conical Spring

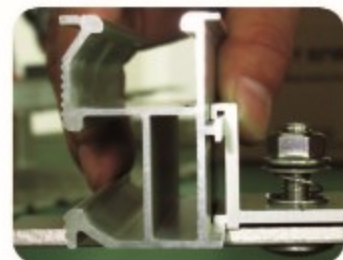
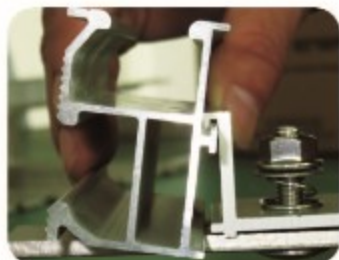
Product advantages

Let Mibet Energy find the suitable interfaces and solutions for all your rooftop installation.

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MRac RoofOn Interfaces



MR-RI-08 Slate / Bitumen Shingle Roof Interface 75H

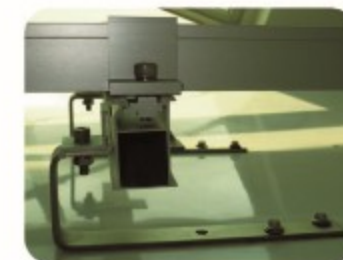
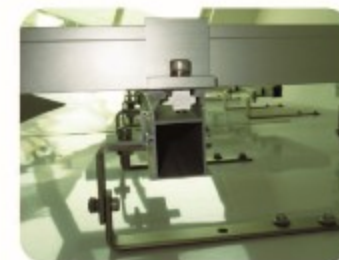
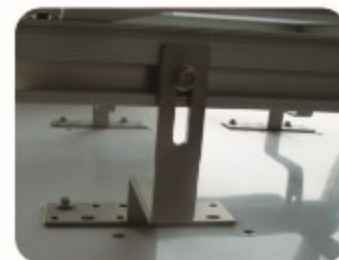
Roof Hook(Height: 75mm) Sharp-Point Wood Screw M8*80
 Side Clip 50 Flange Nut M8
 Washer M8.5*20 Round Head Square Neck Bolt M8*30
 Conical Spring



MR-RI-09 Slate / Prefa Interface (Adjustable) 60HA

Roof Hook(Height: 60-90mm) Sharp-Point Wood Screw M8*80
 Hexagon Nut M8 Hexagon Socket Bolt M8*25
 Spring Washer M8.4 Flat Washer M8
 Side Clip 40 Flange Nut M8
 Washer M8.5*20 Round Head Square Neck Bolt M8*30
 Conical Spring

PRODUCT CENTER



MR-RI-10 Slate / Prefa Interface 75H

Roof Hook(Height: 75mm) Sharp-Point Wood Screw M8*80
 Side Clip 40 Flange Nut M8
 Washer M8.5*20 Round Head Square Neck Bolt M8*30
 Conical Spring



MR-RI-11 Tile Interface

Roof Hook Hexagon Socket Bolt M8*25
 Sharp-Point Wood Screw M6*80 Spring Washer M8.4
 Cross Module
 Disc Spring M8





MRac RoofOn Versatile Interfaces

PRODUCT CENTER



MR-VI-01

L Feet Set (Two Colors)

L Feet (Silvery or Black anodized)

EPDM Pad

Cross Module

Flat Washer M8

Spring Washer M8.4

Hexagon Socket Head Bolt M8*25

Hexagon Bolt M6*80

Feature: Cost effective, easy installation.



MR-VI-02

Hanger Screw Set

Hanger Bolt M10*200

Waterproof Gasket M10

Flange Nut M10

Mouting Plate T6*116

Side Clip 45

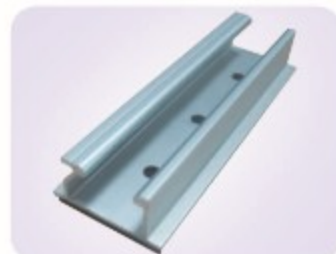
Flange Nut M8

Washer M8.5*20

Round Head Square Neck Bolt M8*30

Conical Spring

Feature: Quick installation; vertical and horizontal height adjustable.



MR-VI-03

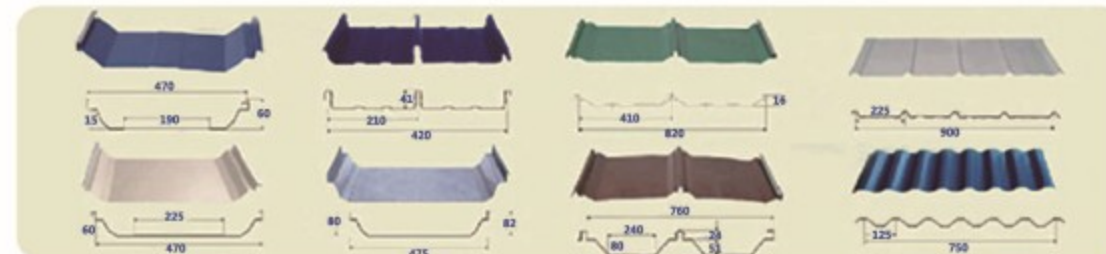
Trapezoidal Interface

Metal Roof Hook

Self-tapping Screw M6*22

EPDM Pad

Feature: Suitable for tin rooftop.



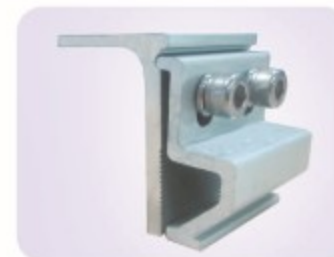
MR-VI-04 Standing Seam 10

Main Hook Side Hook

Hexagon Socket Head Bolt M8*20

Spring Washer M8.4

Hexagon Nut M8



MR-VI-05 Standing Seam 20

Main Hook Side Hook

Hexagon Socket Head Bolt M8*20

Spring Washer M8.4

Feature: Totally non-penetration, no hurt to your roof, quick installation!





MRac RoofOn Versatile Interfaces



MR-VI-06 Angle Flyback III

Main Hook	Side Hook
Hexagon Socket Head Bolt M8*20	
Spring Washer M8.4	
Hexagon Nut M8	



MR-VI-07 Seppan-Clip

Main Hook	Side Hook
Hexagon Socket Head Bolt M8*20	
Spring Washer M8.4	

Feature: Totally non-penetration, no hurt to your roof.



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MR-VI-08 Flat Rooftop Adjustable-Front Leg

Flat Rooftop Adjustable-Front Leg 10-15°

Flat Rooftop Adjustable-Front Leg 15-30°

Flat Rooftop Adjustable-Front Leg 30-60°

Feature: Meet your requirements of tilt rooftop installation, ranging from 10°-60°.



MR-VI-09 Adjustable-Back Leg

Adjustable-Back Leg 10-15°

Adjustable-Back Leg 15-30°

Adjustable-Back Leg 30-60°

