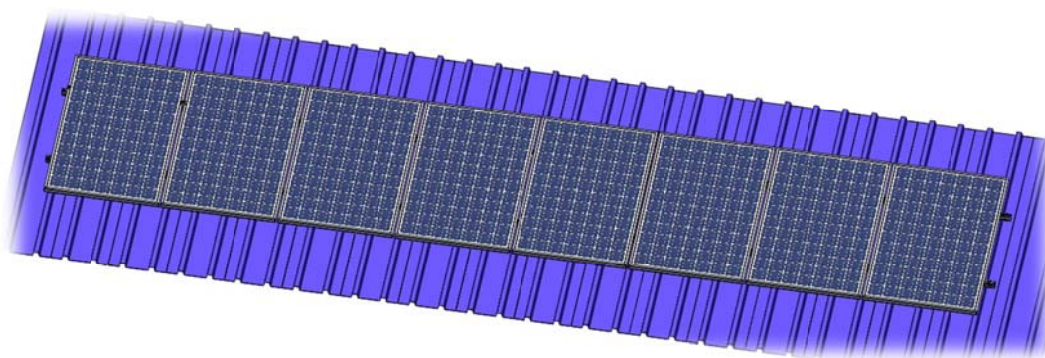




MRac Trapezoidal Metal Roof Mounting System

Installation Guide



Content

1. Introduction	-----	P2
2. Installation Tools	-----	P2
3. Product Information	-----	P3
4. Installation Guide	-----	P4
5. After-Sale Service	-----	P6



1. Introduction

MRac Trapezoidal Metal Roof Mounting System is developed for trapezoidal corrugated metal roofs. This optimized mounting system will be directly fixed on the metal roof easily with simple installation tools.

Please read this Installation Guide thoroughly before installing the MRac Trapezoidal Metal Roof Mounting System. Please pay attention to work safety and observe the appropriate local safety regulations. Please confirm that you are using the current version of the Installation Guide by contact Mibet Energy by mail on sales@mbt-energy.com, or your local representative. If necessary, please check the newest version on the official website of Mibet Energy: www.mbt-energy.com.

The installer shall conform to the following rules:



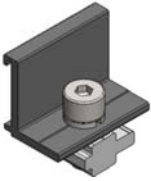

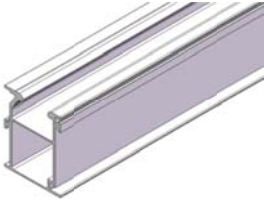
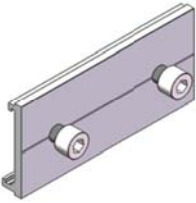
- Complying with all applicable local or national building codes, including any that may supersede this manual;
- Ensuring that MRac and other products are appropriate for the particular installation and the installation environment;
- Using only parts from Mibet Energy and tools as specified by MRac (Substitution of parts may void the warranty and invalidate the letter of certification on Page 6);
- How to recycle: according to the local relative statute;
- How to disassemble: reverse with installation steps;
- Ensure that there are no less than two professional panel-installation workers;
- Ensure the installation of relative electrical equipment is performance by professional electrician.
- Ensure safe installation of all electrical aspects of the PV array.

2. Installation Tools

- 6mm Inner Hex Spanner;
- 14mm open spanner;
- Electrical Tools;
- 5m tapeline;
- Infrared Calibrator

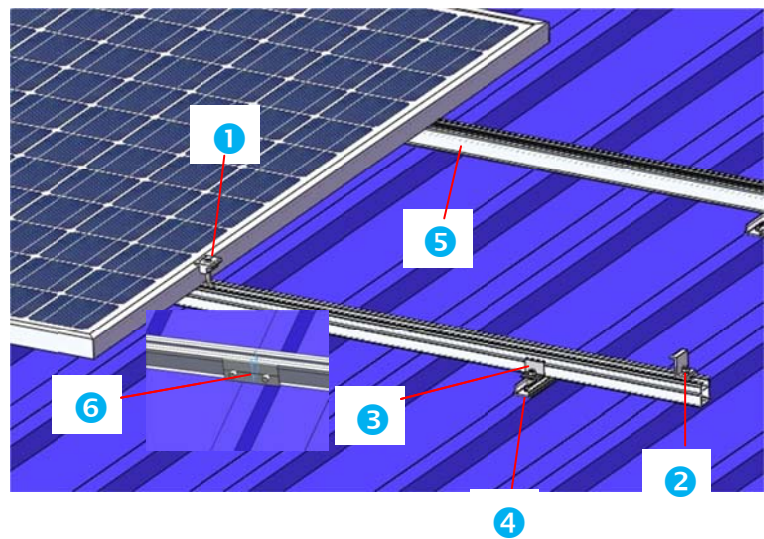


3. Products Information

Main Components		
		
Inter Clamp Kit	End Clamp Kit	Side Kit
		
Trapezoidal Interface	Pro Rail	Pro Standard rail splice

Solution Overview

- 1) Inter Clamp Kit
- 2) End Clamp Kit
- 3) Side Kit
- 4) Trapezoidal Interface
- 5) Pro Rail
- 6) Pro Standard rail splice

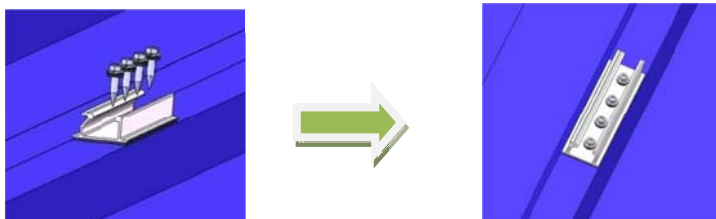




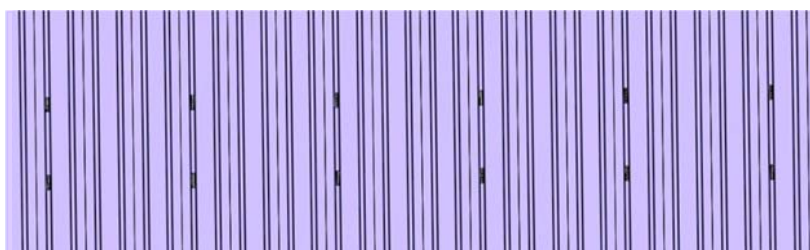
4. Installation Guide

4.1 Installation of the Mounting System

(1) According the project solution, put the Trapezoidal Interface on the top of the corrugated trapezoidal surface, and fix the Trapezoidal Interface firmly with self-tapping screws; (Refer to the Right Pictures)



(2) Mount all the other Trapezoidal Interfaces on the place planed in the project solution on corrugated trapezoidal surface. (Refer to Right Pictures)



(3) Install a Pro Rail on Trapezoidal Interfaces; please confirm the length of this rail; if the length of rail is not long enough, add one rail and connect the two rails by one splice.

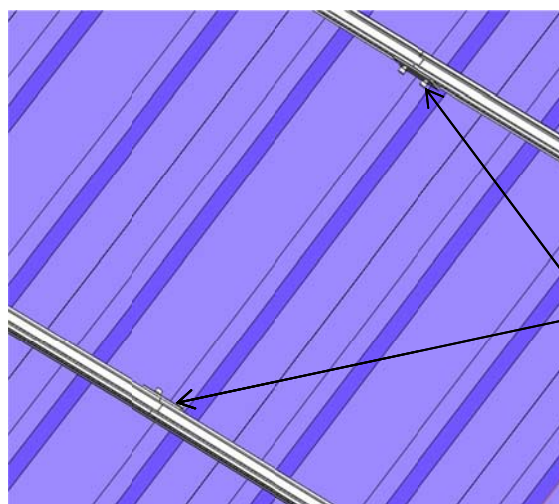
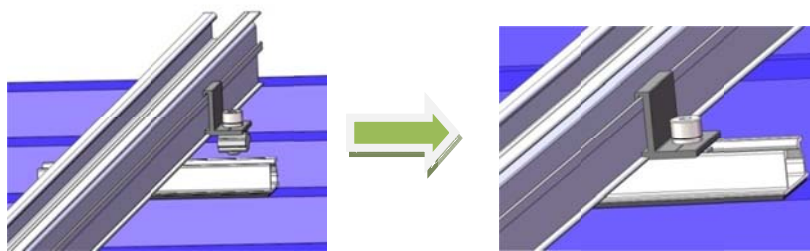




(4) Put a Pro Rail on Trapezoidal Interfaces, and fasten it by Side Kit;

the side kits shall be installed in inner sides (facing to each other) for each pair (two rails) of rails;

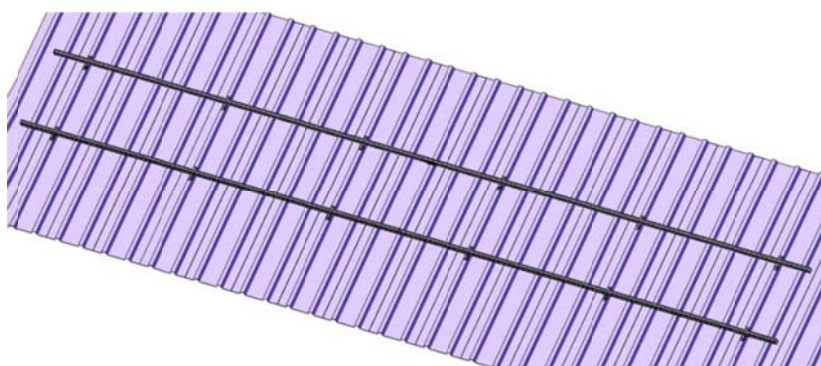
the splices shall be installed in the outer side;



shall be installed on the inner sides

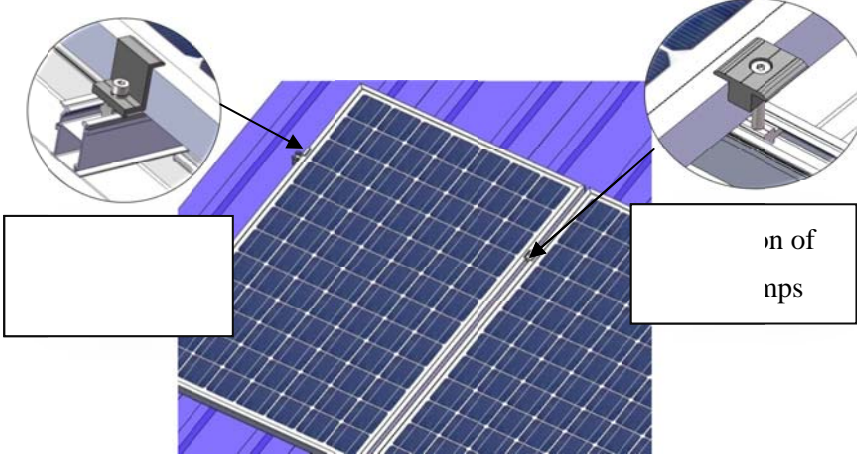
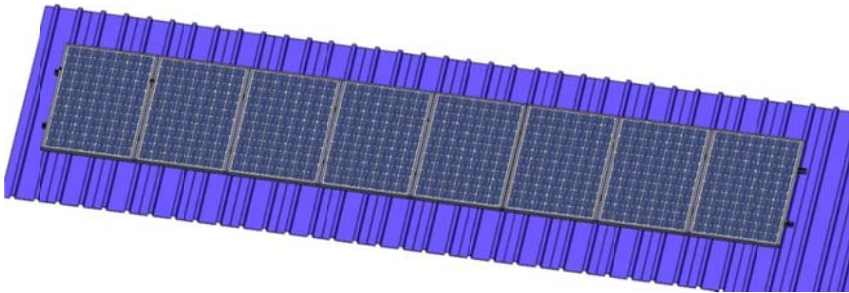
(5) Install all other rails according to the project solution like Step (4) above;

make sure all the bolts are tightened.



4.2 Installation of Solar Panels



<p>(1) Put solar panels on the rails;</p> <p>and fix the panels with end clamps at the edge of the array;</p> <p>put and fix the inter clamps between two panels, like shown in the right picture;</p>	 <p>n of nps</p>
<p>(2) Install all the other solar panels as above;</p> <p>Check after finishing the installation to make sure all the bolts are tightened and the installation is correct.</p>	



10-Year Warranty

Mibet (Xiamen) New Energy Co., Ltd. (hereinafter as “Mibet Energy”) warrants to the original purchaser (“Purchaser”) of product(s) from Mibet Energy that its manufactures (“Product”) at the original installation site shall not have defects in material and workmanship for a period of ten (10) years, except for the anodized finish which shall be free from visible peeling, or cracking or chalking under normal atmospheric conditions.

Warranties and guarantees can only be claimed if the installation and commissioning of the photovoltaic system was done by professional personnel, as can be proved. We guarantee a 10 year warranty for the durability of all our MRac PV mounting products that are correctly mounted, installed and used as our Installation Guide specified.

Mibet Energy shall not be liable for consequential, contingent or incidental damages occurred in the use of the Product by Purchaser under any circumstances. Within the specified Warranty periods, if the Product could be reasonably proven to be defective, then Mibet Energy shall repair or replace the defective Product, or any part thereof, in Mibet Energy’s sole discretion. Such repair or replacement shall completely satisfy and discharge all of Mibet Energy’s liability with respect to this Limited Warranty. Under no circumstances shall Mibet Energy be liable for special, indirect or consequential damages arising out of or related to use by Purchaser of the Product. Manufacturers of related items, such as PV modules and flashings, may provide written warranties of their own. Mibet Energy’s Limited Warranty covers only its Product, and not any related items.

The warranty period begins from the delivery or pick up date from Mibet Energy factory or warehouse. The replacement or repair of defective components does not extend the warranty period.