

Hanger Bolts

The mounting system for PV modules on Fibre-Cement roofs with wood purlin



Introduction

ER-MP-HB hanger bolts are a range of fixings solutions designed to penetrate the outer roof cladding and provide a strong anchor to structural wood purlins, features include:



List of contents







Introduction	01
Tools and Components	02
System Overview	03
Installation Instruction	05

The installer is solely responsible for:

- Made of high quality aluminium and stainless steel components ensures optimum strength and long life.
- Products are pre-assembled to reduce installation time and give a cost effective solution.
- Versatile application, compatible with most PV modules on the market and will integrate with other Clenergy products for versatile solutions.



Tools & Components

Tools

			
Marker pen	Screw Driver	Spanner 14mm & 17mm	Chalk line or string
			
Tape	Socket Wrench (H9)		

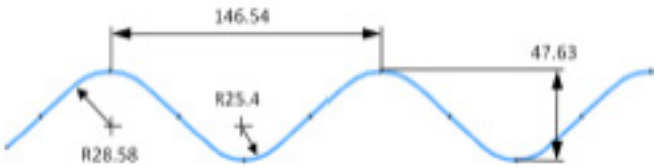
Installation

Parts

Parts overview	
	
Mounting Kit	Hanger Bolt M12 for Wood Purlin

Parts

The PV-ezRackHanger Bolt is designed for Fibre-Cementsheet roofing.

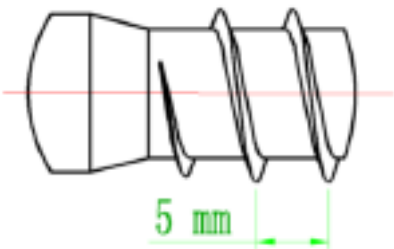


Typical profile

Note:
Pre-drill pilot holes before installation, the pilot holes should have a diameter of 9.2mm, as shown in the table below:

Parts overview	Cord	L(mm)	Length of pilot hole (mm)	Pilotheole(mm)
 Mounting Kit	ER-HB-MP12	300mm	110	9.2
		350mm		

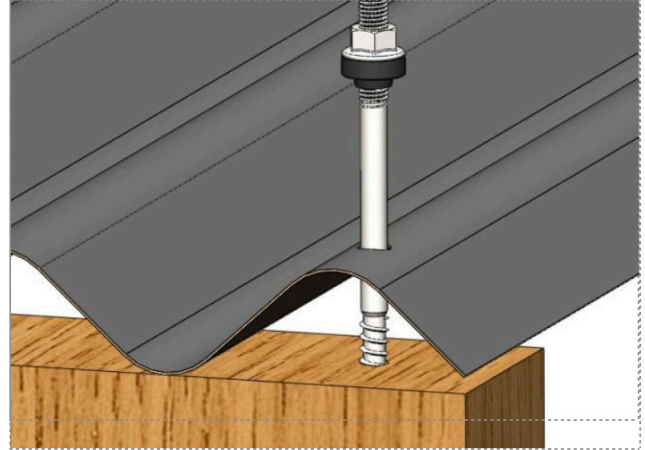
The Thread per inch which goes in to the purlin



Installation Instructions



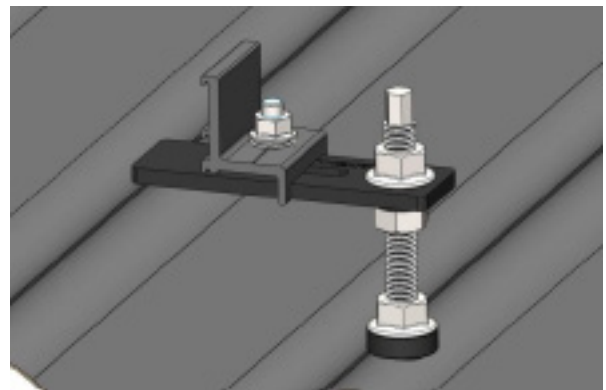
Pre-drilled pilot hole which diameter is 9.2mm through the wooden beams and 15mm through.



Insert hanger bolt through pilot hole, ensure 70mm of thread part buried in the wood. Tighten nut to slightly.



Mount the plate assembly onto hanger bolt.



Tighten the flange nut to fix base plate. You are now ready to attach the mounting rail.

10 Years Standard Warranty Terms and Conditions, 5Year Designed Service Life

Clenergy international co. Ltd warrants to the original purchaser ("Purchaser") of product(s) that it manufactures ("Product") at the original installation site that the Product shall be free from defects in material and workmanship for a period of ten (10) years, except for the anodised finish, which finish shall be free from visible peeling, or cracking or chalking under normal atmospheric conditions for a period of five (5) years, from the earlier of 1) the date the installation of the Product is completed, or 2) 30 days after the purchase of the Product by the original Purchaser ("Finish Warranty").

The Finish Warranty does not apply to any foreign residue deposited on the finish. All installations in corrosive atmospheric conditions are excluded. The Finish Warranty is VOID if the practices specified by AAMA 609 & 610-02 – "Cleaning and Maintenance for Architecturally Finished Aluminium" (www.aamanet.org) are not followed by Purchaser. This Warranty does not cover damage to the Product that occurs during its shipment, storage, or installation.

This Warranty shall be VOID if installation of the Product is not performed in accordance with Clenergy's written installation instructions, or if the Product has been modified, repaired, or reworked in a manner not previously authorized by Clenergy IN WRITING, or if the Product is installed in an environment for which it was not designed. Clenergy shall not be liable for consequential, contingent or incidental damages arising out of the use of the Product by Purchaser under any circumstances.

If within the specified Warranty periods the Product shall be reasonably proven to be defective, then Clenergy shall repair or replace the defective Product, or any part thereof, in Clenergy's sole discretion. Such repair or replacement shall completely satisfy and discharge all of Clenergy's liability with respect to this limited Warranty. Under no circumstances shall Clenergy 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. Clenergy's limited Warranty covers only its Product, and not any related items.



PV-ezRACK®

Clenergy

999-1009 Min'an Rd,
Huaju Hi-tech Ind. Dev. Zone
Xiang'an District 361101, Xiamen,
Fujian, China

Phone: +86 592 311 0088
Email: sales@clenergy.com
Web: www.clenergy.com

 @ClenergyGlobal / @ClenergyClub / @ClenergyAUS / @ClenergyThailand

 @Clenergy_global  @Clenergy  @Clenergy  @ClenergyClub

A Clenergy Technologies Company