

pylar **Steel Roof Installation Guide** **L Feet Hook**

Content

1. Product Introduction	2
2. Installation Tools	3
3. Components	3
4. Solution Overview	4
5. Installation Guide	5
6. Warranty	11

1. Production Introduction

pylar L Feet system offers adaptability across various flat roof types, from residential to commercial and power station-scale installations. Its standout feature is its 90° angle and user-friendly support structure, streamlining the installation process. This not only enhances efficiency but also reduces time and labor costs associated with system setup.

Please review this installation guide thoroughly before proceeding with the installation of the L Feet system. This manual includes the following:

1. Detailed installation plan
2. Product installation instructions

Please adhere to the guidelines outlined in this installation manual, ensuring compliance with building codes. Prioritize safety during the installation process and adhere to all relevant local safety regulations. For any updates or the latest version of the installation guide, please visit our website.

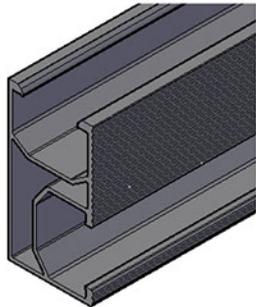
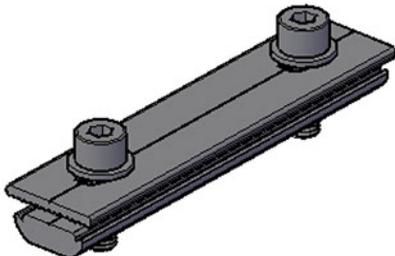
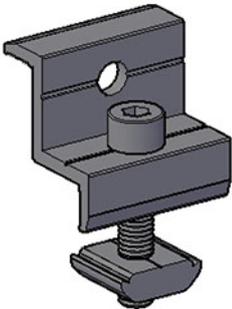
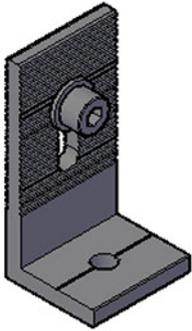
The installer assumes full responsibility for:

- Adhering to all relevant local or national building codes, even if they differ from this manual.
- Confirming that pylar and other products are suitable for the specific installation and environment.
- Verifying that the roof, purlin, main beam, and other supporting structures can adequately support the PV modules. (These constitute roof mount installations.)
- Exclusively using Pylar parts and parts provided by the installer, as specified by Pylar. (Substituting parts may void the warranty and invalidate the certification letter on page 2.)
- Ensuring that the self-tapping screws and L Feet possess adequate strength and shear capacity during construction.
- Preserving the integrity of the roof waterproofing system.
- Recycling in accordance with local regulations.
- Disassembly procedure: Counteract during installation.
- Ensuring that a minimum of two professional workers are involved in panel installation.
- Enlisting a professional electrician to handle the installation of electrical equipment related to the system's operation.

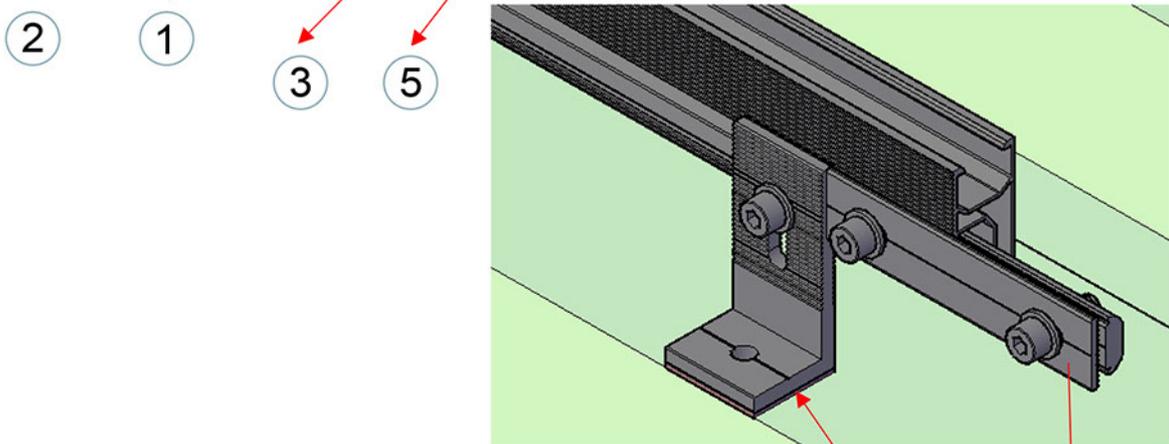
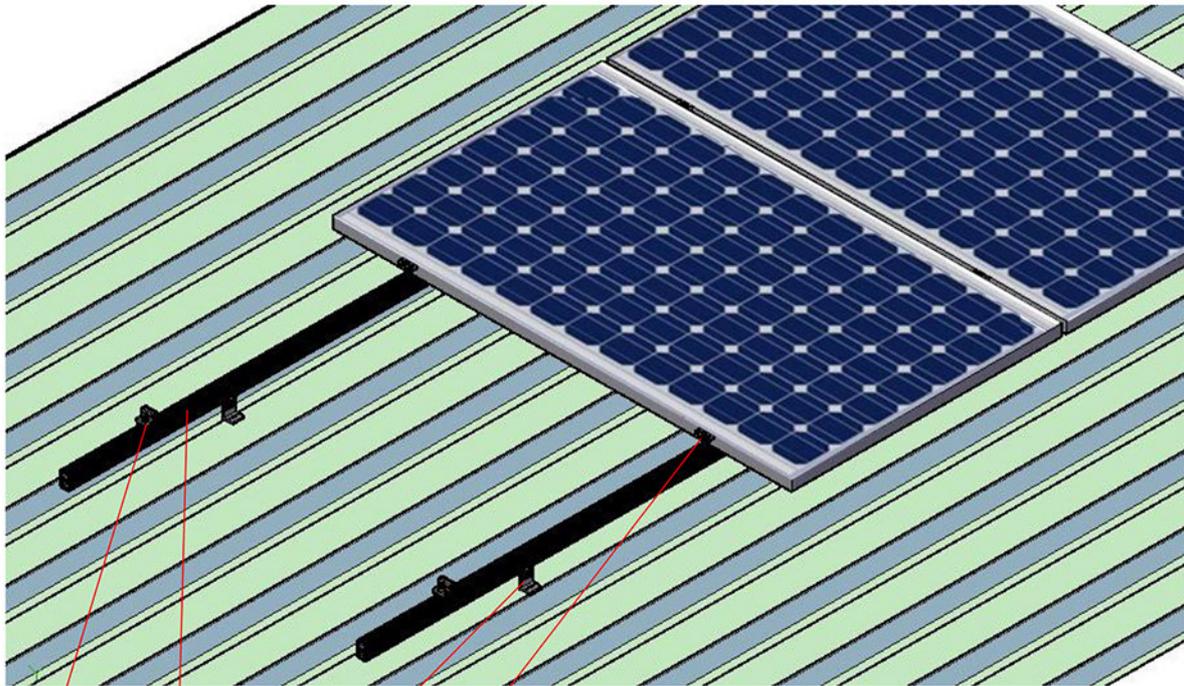
2. Installation Tools:

- 6mm Inner hexagon spanner
- 0-8mm adjustable wrench
- Electrical tools
- 5m tape measure
- Infrared calibrator

3. Components

Main Components		
		
<i>Pylar Rail (PYL-RR-02)</i>	<i>Splice for Pylar Rail (PYL-RR02-SP1)</i>	<i>Mid Clamp (PYL-CL-01)</i>
		
<i>End Clamp (PYL-CL-02)</i>	<i>L Feet (PYL-LF-01)</i>	<i>Waterproof Plate for L Feet</i>

4. Solution Overview

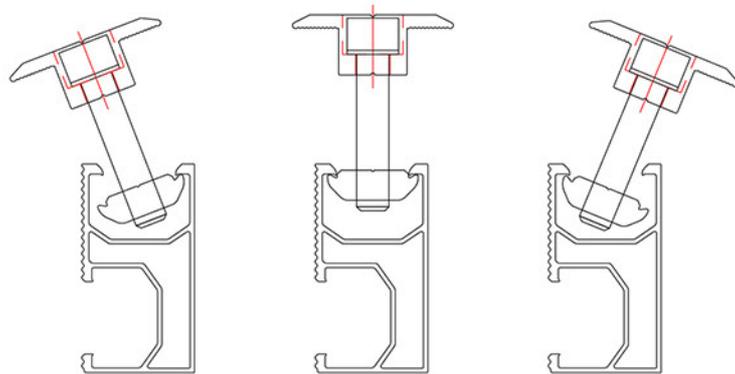


- ① Pylar Rail (PYL-RR-02)
- ② End Clamp (PYL-CL-02)
- ③ L Feet (PYL-LF-01)
- ④ Splice for Pylar Rail (PYL-RR02-SP1)
- ⑤ Mid Clamp (PYL-CL-01)
- ⑥ Waterproof Plate

5. Installation Guide

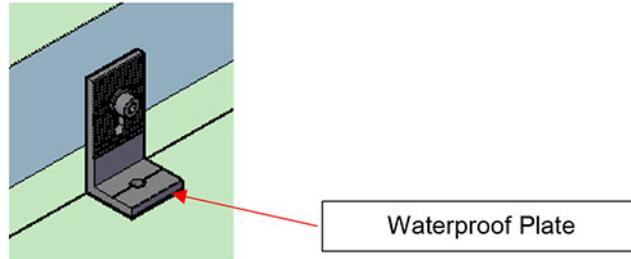
5.1 Installation of Clamp Kit

5.1.1: The image on the right illustrates the installation of the pylar Clamp. Ensure that the thread of the hexagon socket bolt does not extend beyond the bottom of the pylar Clamp. Position the pylar Clamp in the rail groove and gently tighten the bolt 2 to 3 turns. At this stage, the bolt should still be able to slide freely within the rail. Slide the bolt to the intended connection point for the Mid Clamp (PYL-CL-01), End Clamp (PYL-CL-02), or hook, then tighten and secure the bolt. (Recommended torque: 8 N·m)

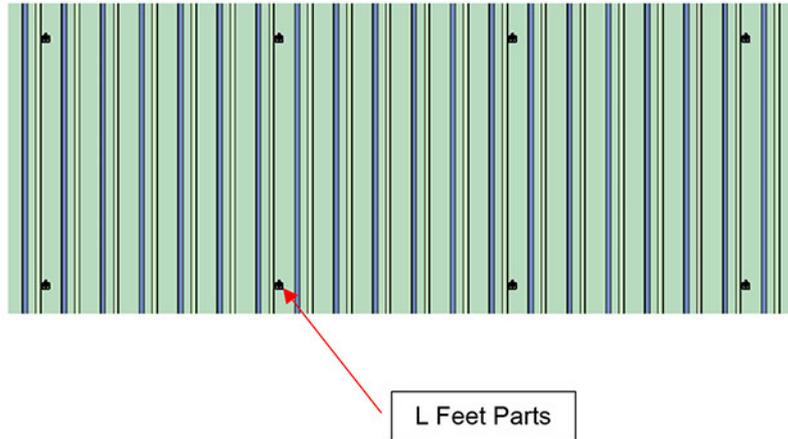


5.2 Installation of L Feet

5.2.1: Following the dimensions indicated in the plan drawing, mount the L Feet onto the metal roof and pre-lock them as depicted in the figure.

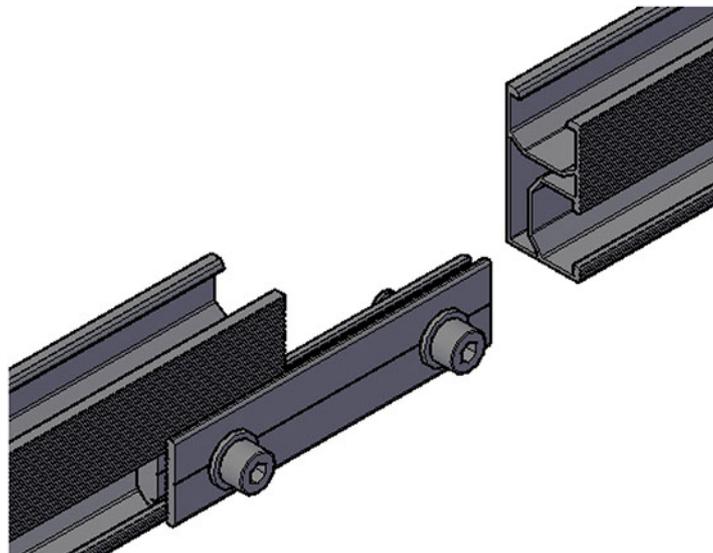


5.2.2: In accordance with the installation plan, the L Feet is affixed to the metal roof using a self-tapping screw, as depicted in the image.

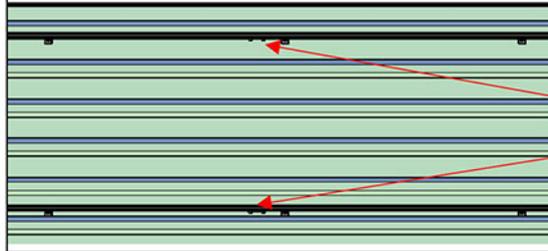
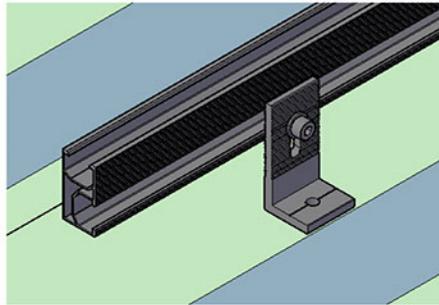


5.3 Installation of Pylar Rail

5.3.1: If the rail provided is insufficient in length according to the plan, connect the pylar Rails using the Splice for pylar Rail as illustrated on the right. Secure the connection with an M8x25 hexagon bolt on each side.



5.3.2: Position the pylar rail alongside the L Feet support and secure them using the M8 bolt assembly. Ensure that the rail connectors align on the same side, as shown on the right. (Recommended torque: 8 N·m)



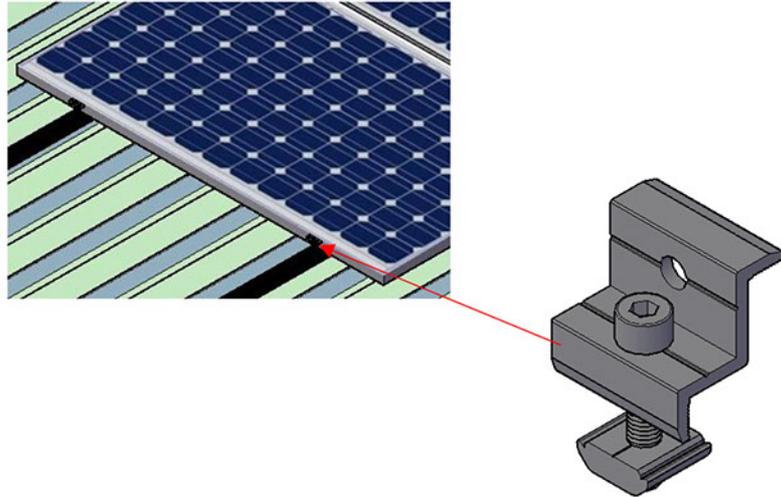
The Rail Connectors are on the same side

5.3.3: Install the rails according to the engineering plan, ensuring that all bolts are securely locked.

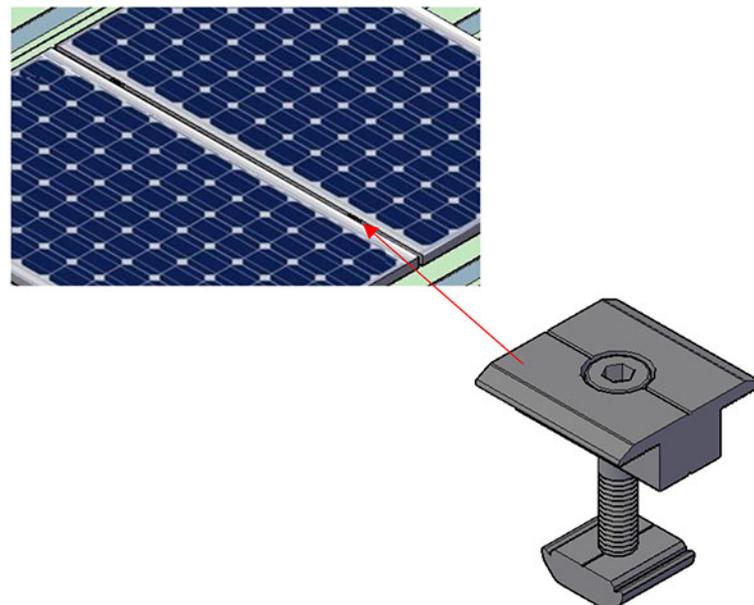


5.4 Install the panels

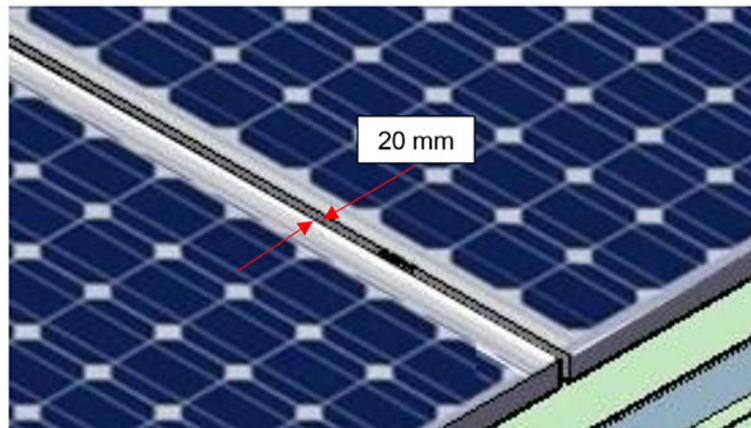
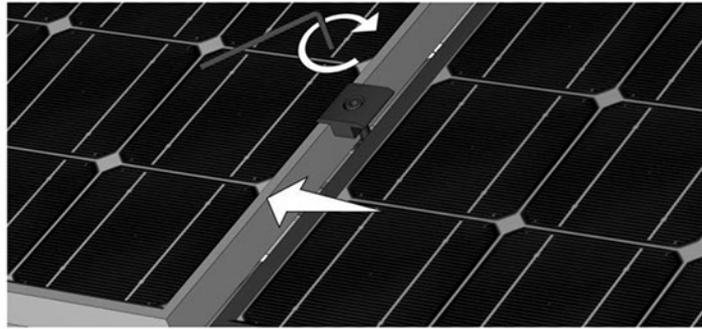
5.4.1: As per the plan, place the panels flat on the rail, slide the End Clamp (PYL-CL-02) into position, firmly attach the solar panel assembly, and tighten the bolt securely. (Recommended torque: 8N·m)



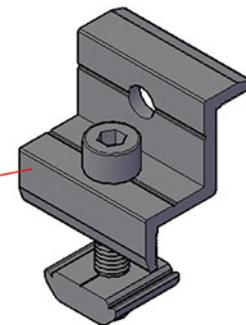
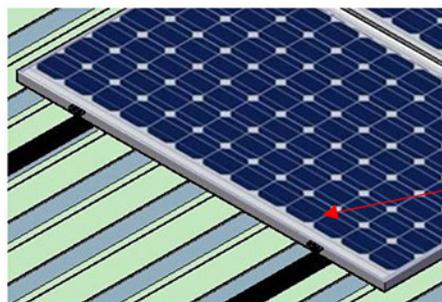
5.4.2: Insert the pre-installed Mid Clamp (PYL-CL-01) from both the top and bottom into the rails, securely attaching the solar panel assembly. Gently tighten the clamp (approximately 2-3 turns), as depicted on the right.



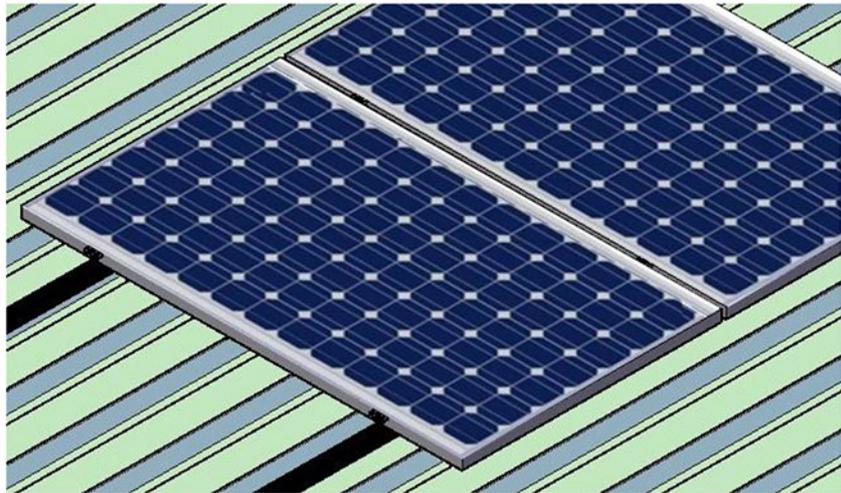
5.4.3: Slide another solar panel assembly adjacent to the previously installed one and lock the Mid Clamp (PYL-CL-01) assembly securely. Ensure that the anti-skid protection device is positioned in the middle of the slot on the bottom row rail, as illustrated.



5.4.4: Place the final solar panel assembly in each row onto the rail and secure it using the End Clamp Kit (PYL-CL-02). (Recommended torque: 8N·m).



5.4.5: Slide the first row of solar panel assemblies downward to align with the next row. Due to illumination, the bottom row's solar panel assembly may remain separated. Use the Mid Clamp (PYL-CL-01) as a separator to maintain vertical and horizontal spacing of the solar panel assembly. Proceed with the installation of the remaining solar panels. The assembly should progress in steps until all solar panel components have been installed, completing the installation.



Warranty Declaration:

PT Pylar Surya Indonesia warrants to the original purchaser ("Purchaser") of its manufactured product(s) ("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. The anodized finish shall be free from visible peeling, cracking, or chalking under normal atmospheric conditions.

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

PT Pylar Surya Indonesia shall not be liable for consequential, contingent, or incidental damages arising out of the use of the Product by the Purchaser under any circumstances. If within the specified warranty periods the Product is reasonably proven to be defective, PT Pylar Surya Indonesia shall repair or replace the defective Product, or any part thereof, at PT Pylar Surya Indonesia's sole discretion. Such repair or replacement shall completely satisfy and discharge all of PT Pylar Surya Indonesia's liability under this Limited Warranty. Under no circumstances shall PT Pylar Surya Indonesia be liable for special, indirect, or consequential damages arising out of or related to the Purchaser's use of the Product.

Manufacturers of related items, such as PV modules and flashings, may provide their own written warranties. PT Pylar Surya Indonesia's Limited Warranty covers only its Product and not any related items.

The warranty period begins from the delivery or pick-up date from PT Pylar Surya Indonesia's factory or warehouse. The replacement or repair of defective components does not extend the warranty period.