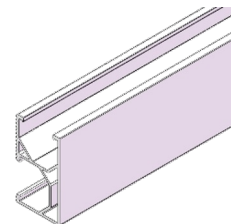




# INSTALLATION INSTRUCTION OF TILE KIT FOR 8 PANELS

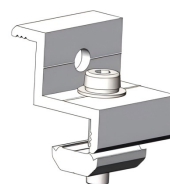
Power Bay Pty Ltd  
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[www.powerbay.com.au](http://www.powerbay.com.au)  
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## 1 Component List

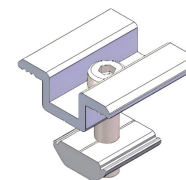


BLACK RAIL 4800MM LENGTH x4  
(Not included in Box)

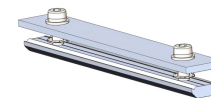
## Inside One Box:



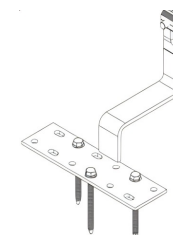
End Clamp  
x 8



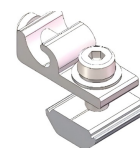
Mid Clamp  
x 14



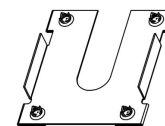
Rail Splice  
x 2



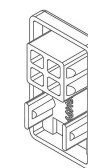
Tile Hook  
x 16



Grounding lug  
x 2



Earthing Clip  
x 14

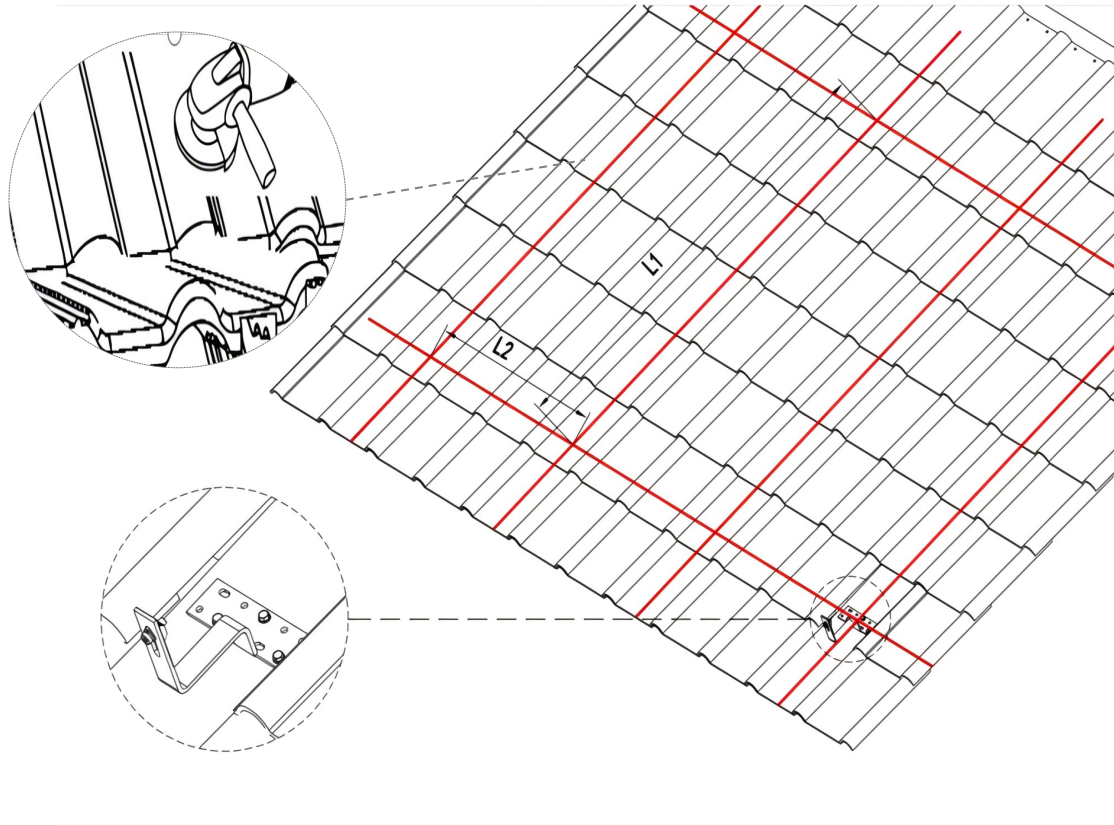


Rail Cap  
x 4



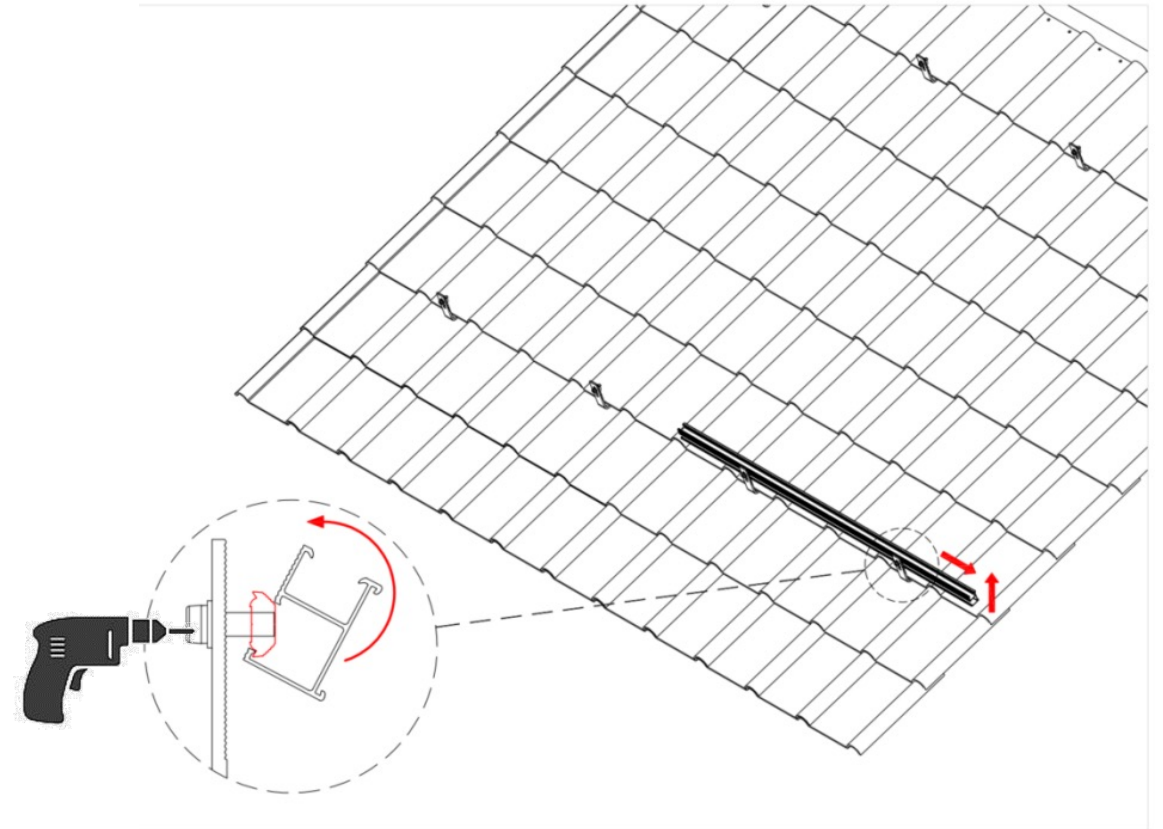
Tapping Screw  
x 48

## 2.1 Hook Installation



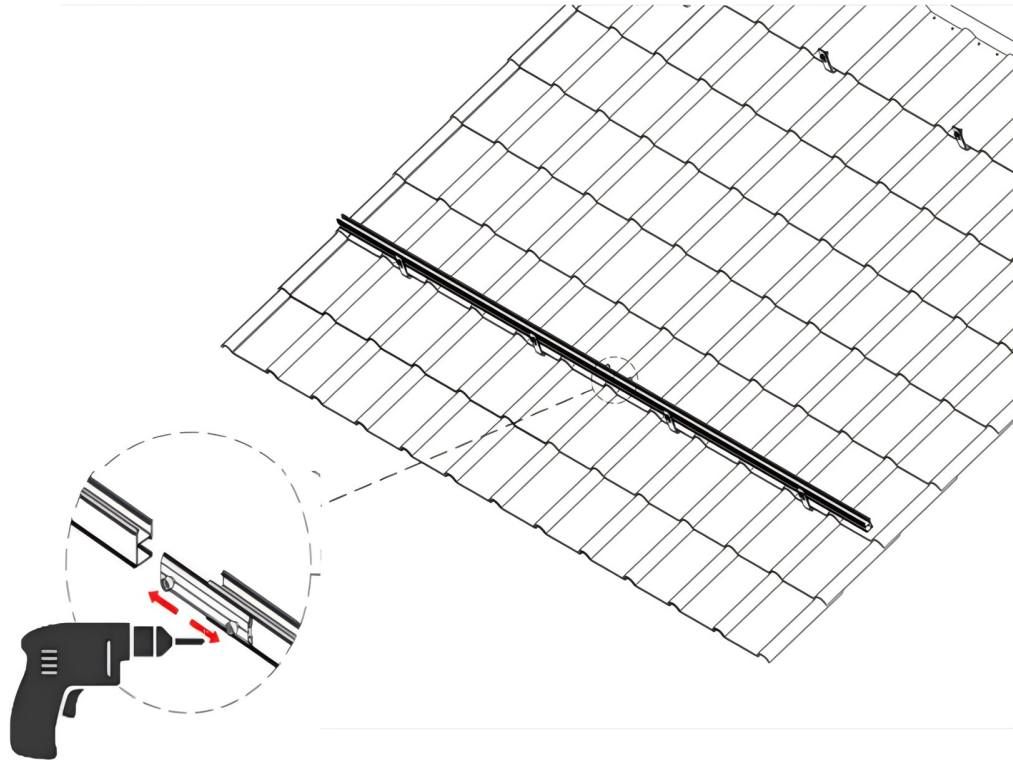
- Use a suitable angle grinder to cut or grind the tiles so they close neatly over the roof hooks.
- Remove the tiles and fix the hooks to the rafters with at least 2 tapping screws, the minimum embedment depth is 35mm. Screw **torque value 10~12 N\*M**.
- Re-install the tiles once complete.

## 2.2 Rail Installation



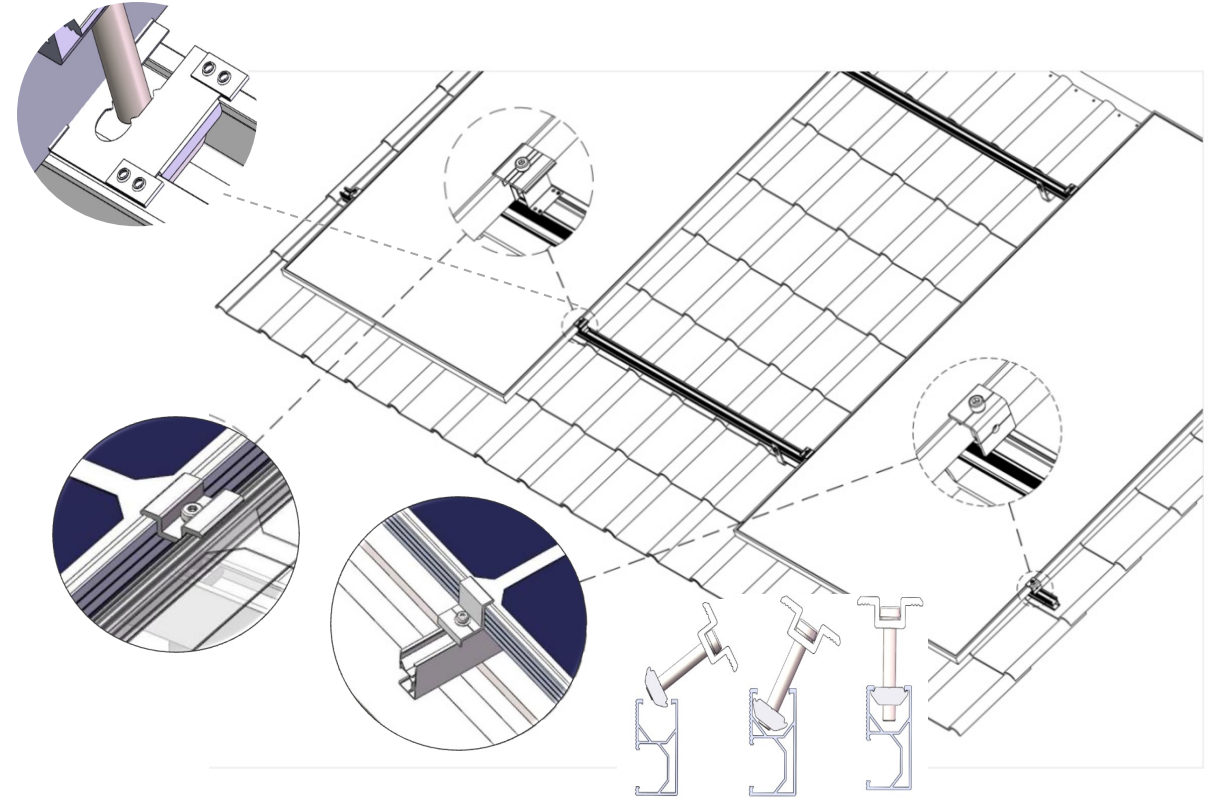
- Take the rails from the separated packages, insert the L-foot rail nut into the side channel of the rail and tighten the bolt to **torque value 8~10 N\*M**
- The max overhang length of rails shall be 1/3 (one-third) of the last spacing.

## 2.3 Rail Splice Connection



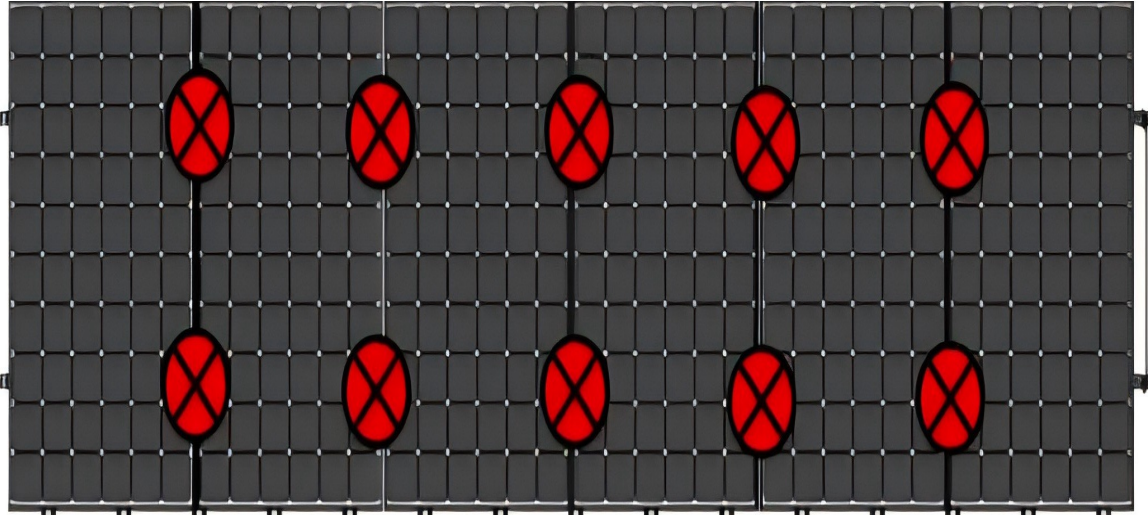
- Slide half of the rail splice into the side channel of the first rail and fasten the first bolt, then slide in the next rail, align, and tighten the second bolt to **torque value: 6~8 N\*M.**
- The position of rail splice shall be at the 1/4 position of the span.

## 2.4 PV Module Installation



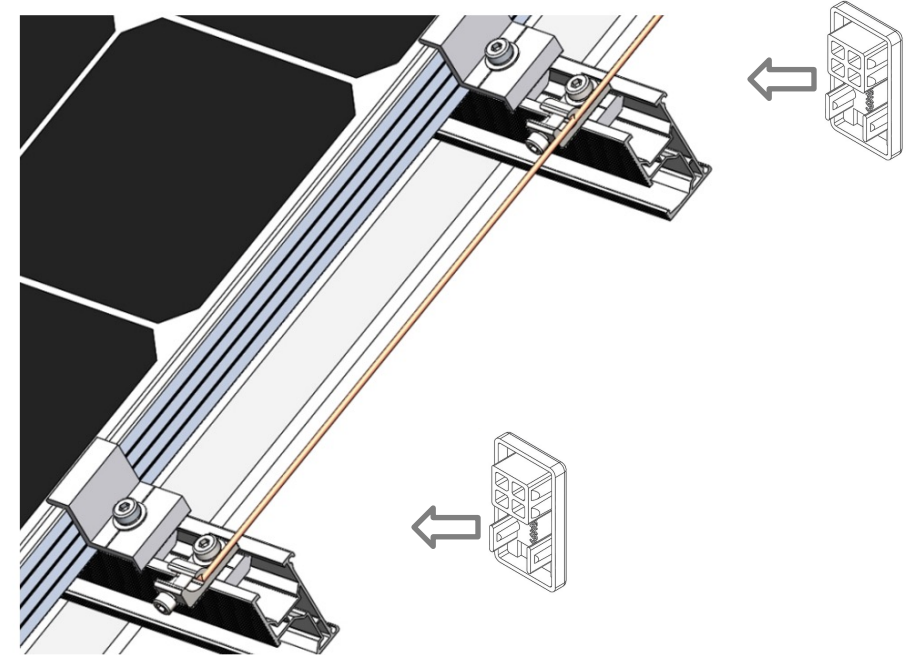
- Place the solar modules on the top of rails, and it is recommended to install from the left to right, upper rows first then lower rows.
- Tilt the rail nut of mid clamp and end clamp into the top channel of rail, and fasten the bolt to fix solar modules with **torque value: 8~10 N\*M.**
- The earthing clips shall be fixed under every mid clamps.

## 2.5 Earthing Clip Positions



- The earthing clips shall be installed under every mid clamps, as above figure.
- Ensure the earthing clip pins penetrate the anodized film of both the panel frame and the rail channel.

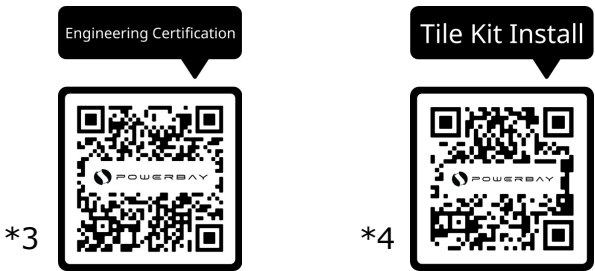
## 2.6 Grounding Lug and Rail Cap Installation



- Install 2 grounding lugs at the end of each table.
- Fix the earthing cable trough the top channel of lug. Tighten the bolt with **torque value 4~6 N\*M**
- Fit rail end caps after the installation is complete.

### 3. Installation Notice

- 1. The product supplied is based on corrosive category C3, the tapping screw shall be replaced for C4 or C5 corrosive category. (e.g. Buildex C5 coated screw).
- 2. The installation must comply with the specifications advised in the engineering certificates.
- 3. Please download engineering certificates via the QR Code provided below. \*
- 4. Please download full version installation manual via the QR Code provided below. \*
- 5. Installation should be carried out by SAA (Solar Accreditation Australia) Accredited Installers.
- 6. Please follow the national and local building regulations and environmental protection requirements during the installation.
- 7. Please make sure all fasteners have been tightened to the specified torque values on completion.
- 8. Perform regular maintenance on the solar mounting system after installation.



### 4. Product Warranty

Power Bay Pty Ltd provides a limited 25-year product warranty for the supplied mounting structures in Australia and New Zealand. Please refer to the full terms and conditions on our website: [powerbay.com.au](http://powerbay.com.au)

| Product Type             | Material  | Corrosive Category<br>Maximum C3 | Corrosive Category<br>C4 and C5 |
|--------------------------|-----------|----------------------------------|---------------------------------|
| Aluminum Products        | AL6005-T6 | 25 years                         | 25 years                        |
| Stainless Steel Products | SUS 304   | 25 years                         | 25 years                        |
| Fasteners                | SUS 304   | 25 years                         | 25 years                        |
| Tapping Screw            | SUS 410   | 25 years                         | Not Warranted                   |

#### Warranty Exclusions:

- 1. Product finish (natural surface oxidation) or any natural impairment or surface corrosion that does not compromise structural integrity.
- 2. Any Product not installed in accordance with our engineering certificates or installation manual.
- 3. Use of the product for purposes other than the solar mounting system.

Our Products may come with guarantees that cannot be excluded under the Australian Consumer Law. You may be entitled under statute to a replacement or refund for a major defect in the Products. You may also be entitled under statute to have the products repaired for any defect which does not amount to a major defect. The benefits given by this Warranty are in addition to any statutory rights and remedies you may have under Australian law.