PV-ezRack Cover for Isolator Bracket
Code-Compliant Planning and Installation Guide V1.0
Complying with AS/NZS 5033: 2014 AMDT 2: 2018
Introduction

1. Introduction

PV-ezRack Cover for Isolator Bracket is specially designed for Isolator Bracket (part number: EZ-IB-SR240/100), suitable for PV array AC/DC isolators.

When correctly installed, the Isolator cover assembly with isolator bracket is designed to function as a shroud to protect isolator and its enclosure from direct exposure to sunlight and rain as required by clause 4.3.3.3.2 of AS/NZS 5033:2014 Amdt 2: 2018. The isolator must have a suitable enclosure conforming to clause 4.3.3.3.1 of AS/NZS 5033:2014 Amdt 2: 2018. The isolator and its enclosure fit inside the shroud after assembly of isolator bracket and the cover.

Please review this guide thoroughly before installing PV-ezRack Cover for Isolator Bracket.

The installer is solely responsible for:

- Complying with all applicable local or national building codes, including any that may supersede this manual;
- Ensuring that PV-ezRack and other products are appropriate for the particular installation and the installation environment;
- Using only PV-ezRack parts and installer-supplied parts as specified by the PV-ezRack project plan. (substitution of parts may void the warranty and invalidate the letter of certification);
- Recycle according to the local relevant statutes;
- Removal by reversing the installation process;
- Ensure that there are no less than two professionals working on panel installation;
- Ensure the installation of related electrical equipment is performed by licenced electricians;
- Ensuring safe installation of all electrical aspects of the PV array. This includes adequate earth bonding of the PV array and PV-ezRack® components as required in AS/NZS 5033-2014 AMDT 2 2-2018.

List of Contents

Introduction 01
Tools & Components 02
Installation Instruction 03
## 2. Tools & Components

### 2.1 Tools

<table>
<thead>
<tr>
<th><strong>Tools</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Tool</td>
</tr>
<tr>
<td>Marker Pen</td>
</tr>
<tr>
<td>Torque Wrench</td>
</tr>
<tr>
<td>10mm Spanner</td>
</tr>
</tbody>
</table>

- **Power Tool** (maximum torque ≥20 N·m, for M8 Hexagon Socket Screw and M8 Nut)

### 2.2 Components

- **CO-IB/240/100**
  - Cover for Isolator Bracket, 240*100mm
Installation Instruction

3. Installation Instructions

3.1 Drill two round holes with diameter of 8mm on Isolator Bracket (part number: EZ-IB-SR240/100) as shown in Figure 1.

![Figure 1](image1.png)

3.2 Assemble the Cover and the Isolator Bracket together as shown in Figure 2 and 3. Do not fasten the bolt as shown in Figure 2.

![Figure 2](image2.png)

![Figure 3](image3.png)

3.3 During installation, there could be interference between the bolt head of the Cover and Bracket. Please pull out the Cover slightly in order to make the bolt head pass through as shown in Figure 4.

![Figure 4](image4.png)
3.4 Align the square hole of the Cover with the round hole of the Bracket as shown in Figure 5.

3.5 Fasten the Cover and the Bracket with M6 bolts as shown in Figure 6.

Recommended torque for M6 bolts is 5-6N·m

3.6 Open the Cover and install the Isolator on the Bracket according to the installation instruction for Isolator as shown in Figure 7.

3.7 Install the Isolator Bracket at the end of rail as shown in Figure 8.

Recommended torque for M8 is 16-20N·m
3.8 Fasten two M6 bolts in Figure 9 with recommended torque of 5-6N·m to allow for optimal opening and closing of the isolator cover.

**Note:** The deformation of the Isolator Bracket should be avoided when fasten the nut.

Figure 9