PV-ezRack Cover for Isolator Bracket II
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 II is specially designed for Isolator Bracket II, suitable for PV array AC/DC isolators.

When correctly installed, the Isolator cover assembly with isolator bracket II 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 II and the cover.

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

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2. Tools and Components

2.1 Tools

- **Power Tool**
  (maximum torque \( \geq 20 \, \text{N·m} \), for M6 and M8 Hexagon Socket Screw)

- **Marker Pen**

- **Torque Wrench**

- **10mm Spanner**

2.2 Components

- **CO-IBII/240/100**
  Cover for Isolator Bracket II
3. Installation Instructions

3.1 Assemble the Cover for Isolator Bracket II and the Isolator Bracket II (part number: IBII/240/100) together as shown in Figures 1 and 2.

3.2 In assembling, there could be interference between the bolt head of the Cover and the Bracket. Please open the Cover slightly to make the bolt head pass through as shown in Figures 3 and 4.

3.3 Align the hole of L profile connecting piece with the elongated hole of the Isolator Bracket as shown in Figure 4.
Installation Instruction

3.4 Fasten the Cover and the Isolator Bracket II slightly as shown in Figure 5.

![Figure 5](image5)

3.5 Turn over the assembled Isolator Bracket and Cover and align both L profile connecting pieces at the same height in Figure 6.

![Figure 6](image6)

The holes of connecting pieces should position at the one end of elongated holes of the isolator bracket to make isolator cover and bracket nice fit together as shown in Figure 7.

![Figure 7](image7)

Fasten these two M6 bolts tightly with recommended torque of 8-10N·m

Note: The bolt heads should be inside of isolator bracket to minimize the interference of bolts on isolator.
Installation Instruction

3.6 Fasten two M6 bolts in Figure 8 with recommended torque of 5-6N·m to allow for optimal opening and closing of the isolator cover.

3.7 Open the Cover to install the Isolator on the isolator bracket as shown in Figure 9.

3.8 Fix Z-Modules, Bolts, and washers on the bottom elongated holes of the Isolator Bracket as shown in Figure 10.

3.9 Install the Isolator Bracket along the Rails as shown in Figure 11.

Note: Allow space above the Rail to open the isolator cover.

Recommended torque for M8 bolts (with z modules) is 5-6N·m