

# Inverter Quick Installation Guide

This installation guide is applicable to R6-8K/10K/15K/20K/25K-T2-32-AUS, R6-25K/30K/33K/40K/50K-T4-32-AUS grid-tied inverter.

## 1、Installation ways and gaps

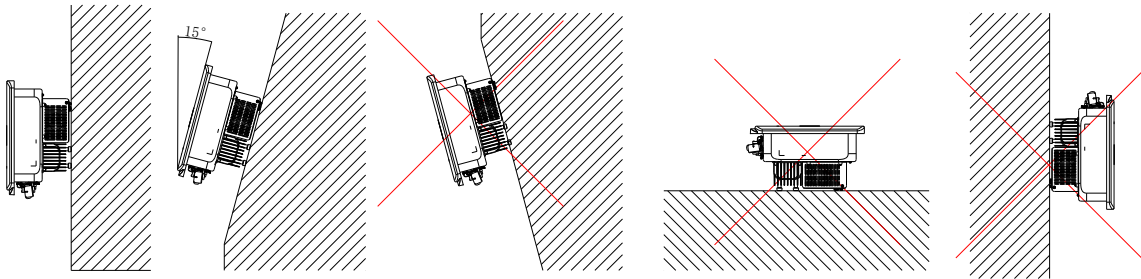


Fig. 1.1 Installation ways

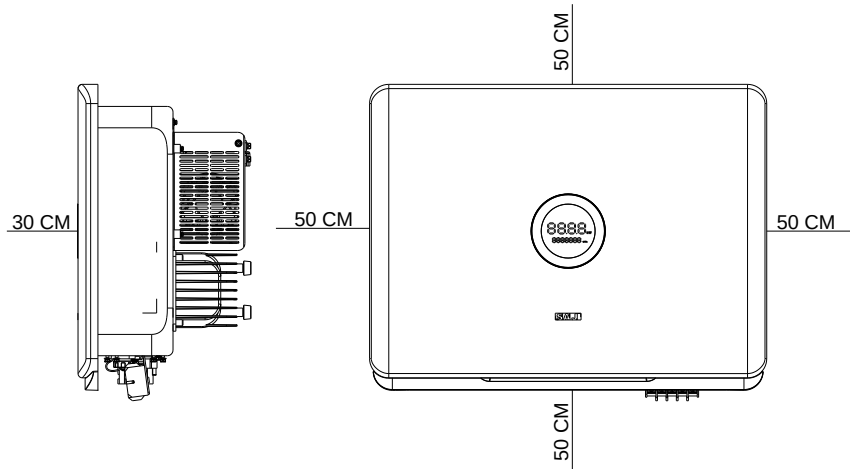


Fig. 1.2 Installation gaps

## 2、Hanging panel size and drill hole

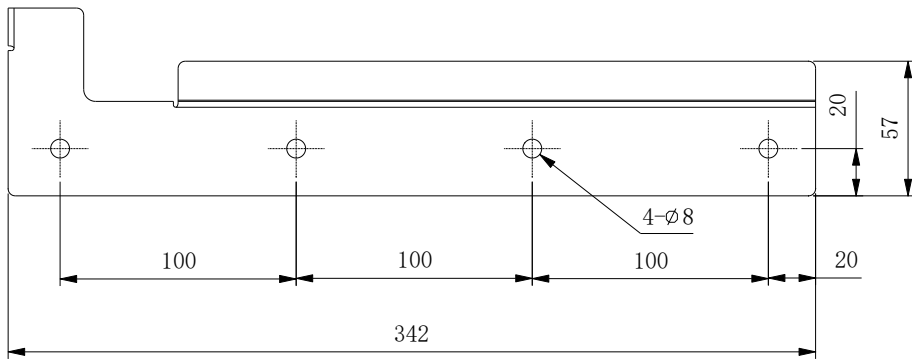


Fig. 2.1 R6-8K/10K/15K/20K/25K-T2-32-AUS hanging panel size

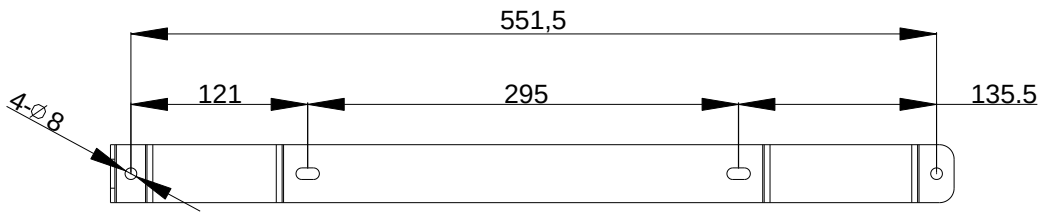


Fig. 2.2 R6-25K/30K/33K/40K/50K-T4-32-AUS hanging panel size

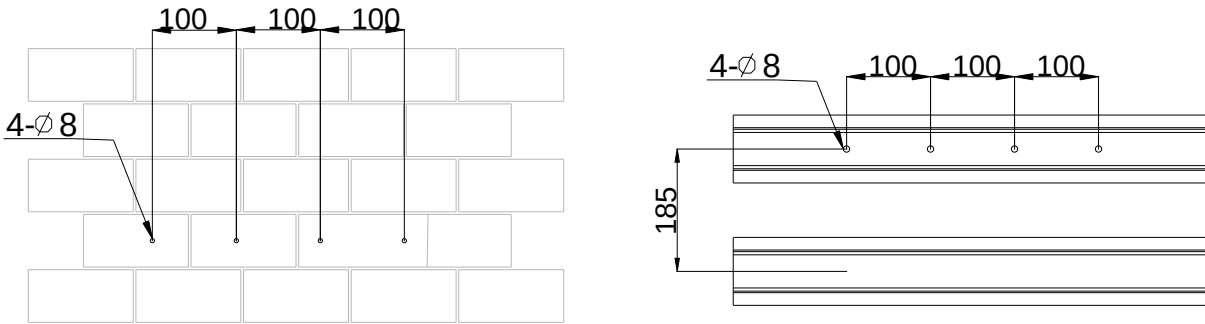


Fig. 2.3 Position of installing hole on hanging panel for R6-8K/10K/15K/20K/25K-T2-32-AUS

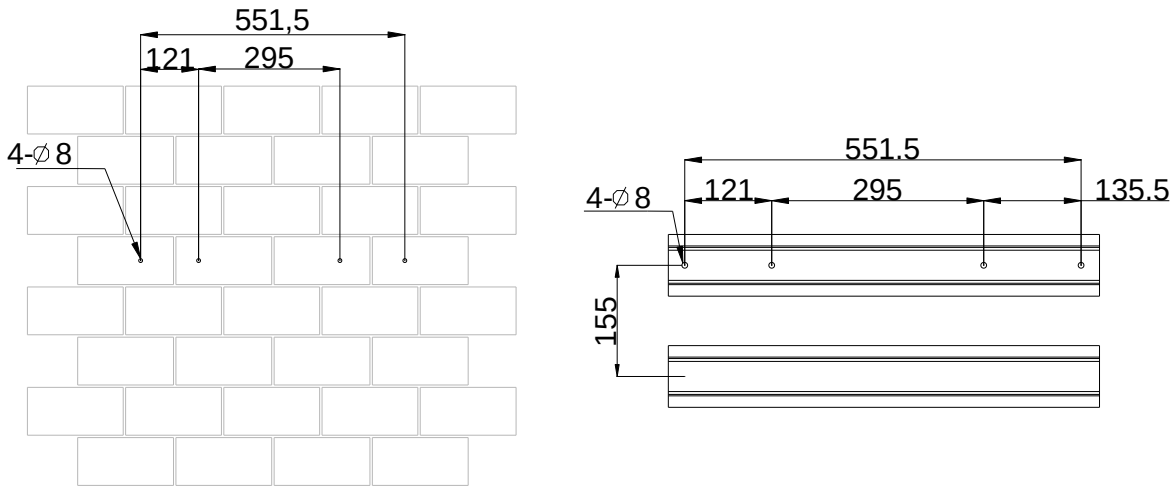


Fig. 2.3 Position of installing hole on hanging panel for R6-25K/30K/33K/40K/50K-T4-32-AUS

## 3、Inverter installation

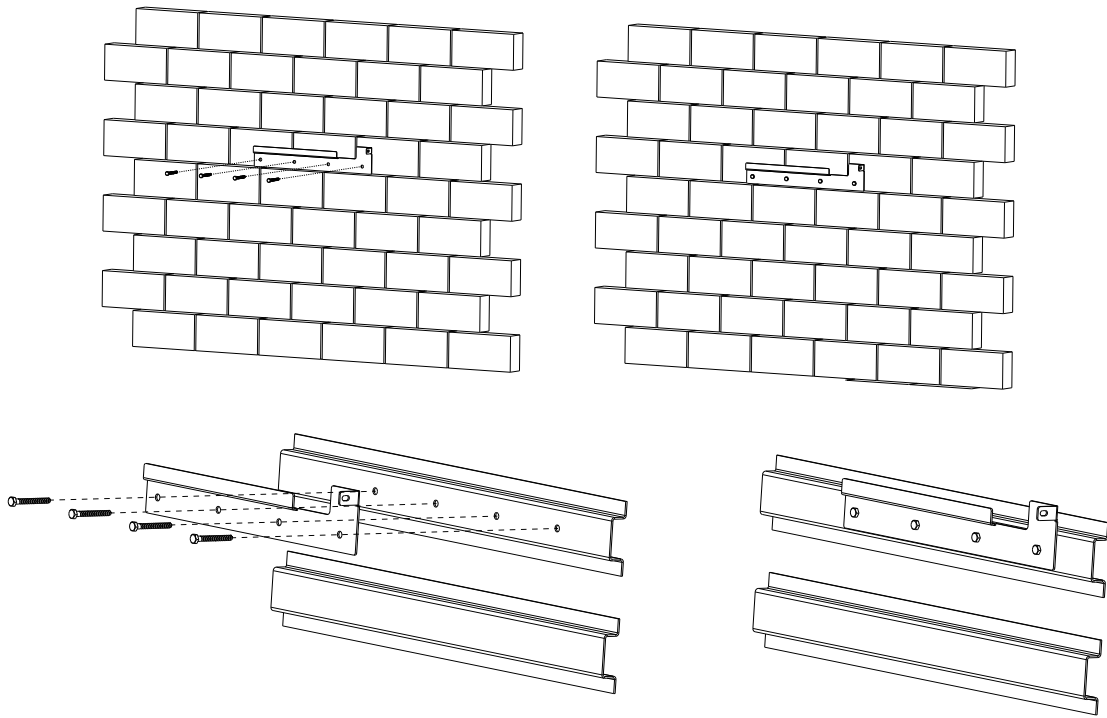


Fig. 3.1 Fix the hanging panel

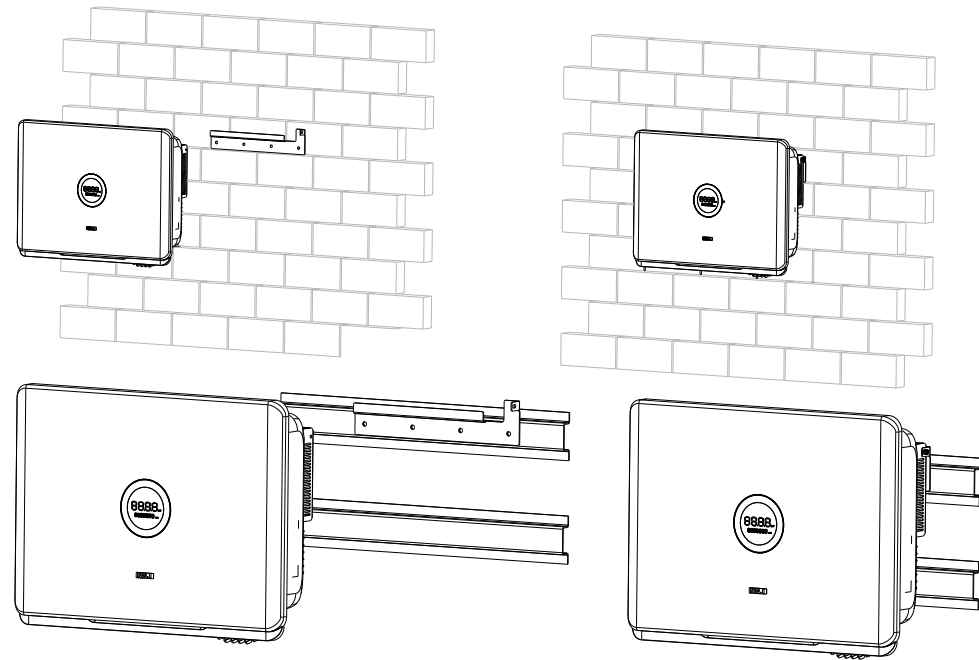


Fig. 3.2 Install the inverter on hanging panel

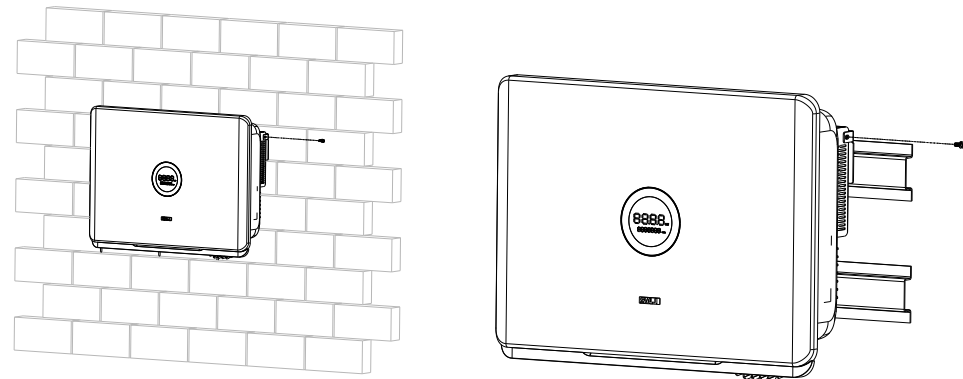


Fig. 3.3 Fix the inverter and hanging panel

#### 4、Power grid side electrical connection

| Type                             | Cross-sectional area of cables (mm <sup>2</sup> ) |                   |
|----------------------------------|---------------------------------------------------|-------------------|
|                                  | Scope                                             | Recommended value |
| R6-8K/10K/15K/20K/25K-T2-32-AUS  | 10.0-16.0                                         | 16.0              |
| R6-25K/30K/33K/40K/50K-T4-32-AUS | 16.0-35.0                                         | 25.0              |

Table 4.1 AC side electrical connection

#### AC side electrical connection

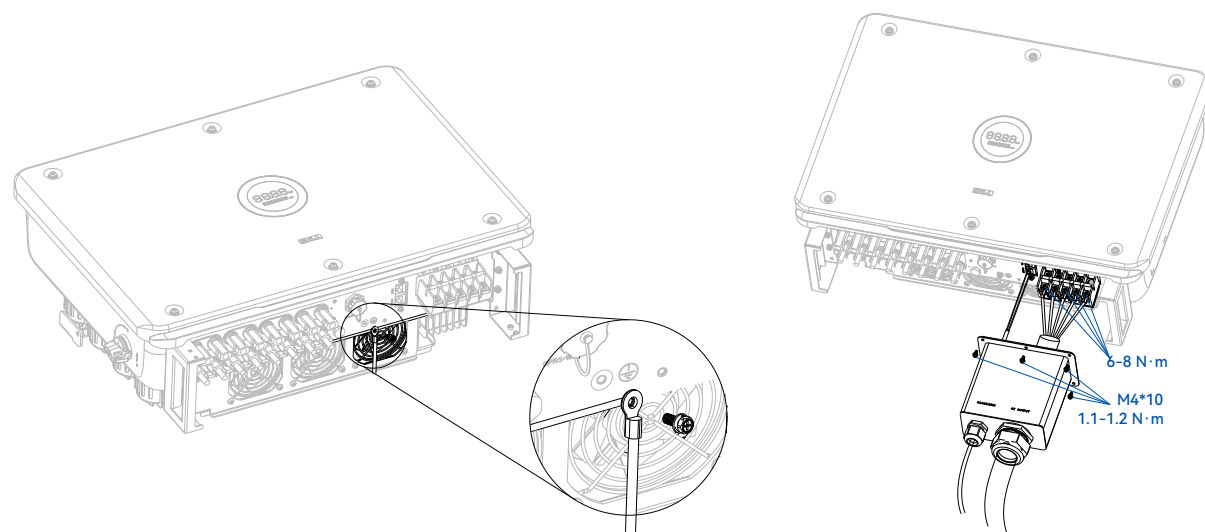


Fig. 4.1 Inverter ground protection

Fig 4.2 Thread the cable into the quick connector

#### 5、DC side connection

| Cross-sectional area of cables(mm <sup>2</sup> ) |                   | Outside diameter of the cables (mm) |
|--------------------------------------------------|-------------------|-------------------------------------|
| Scope                                            | Recommended value |                                     |
| 4.0-6.0                                          | 4.0               | 4.2-5.3                             |

Table 5.1 Recommended specifications of DC cables

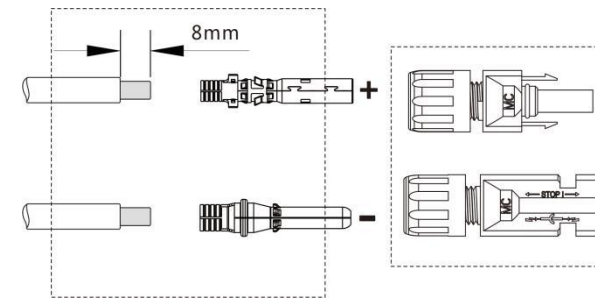


Fig. 5.1 Connect DC cable in a crimp-type way

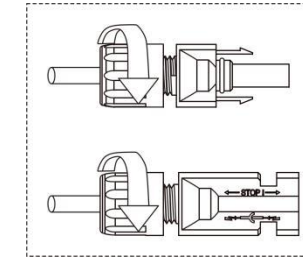


Fig. 5.2 Insert the joint and screw it up

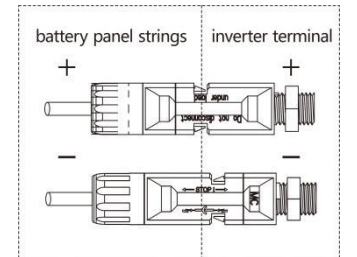


Fig. 5.3 Connect to the inverter

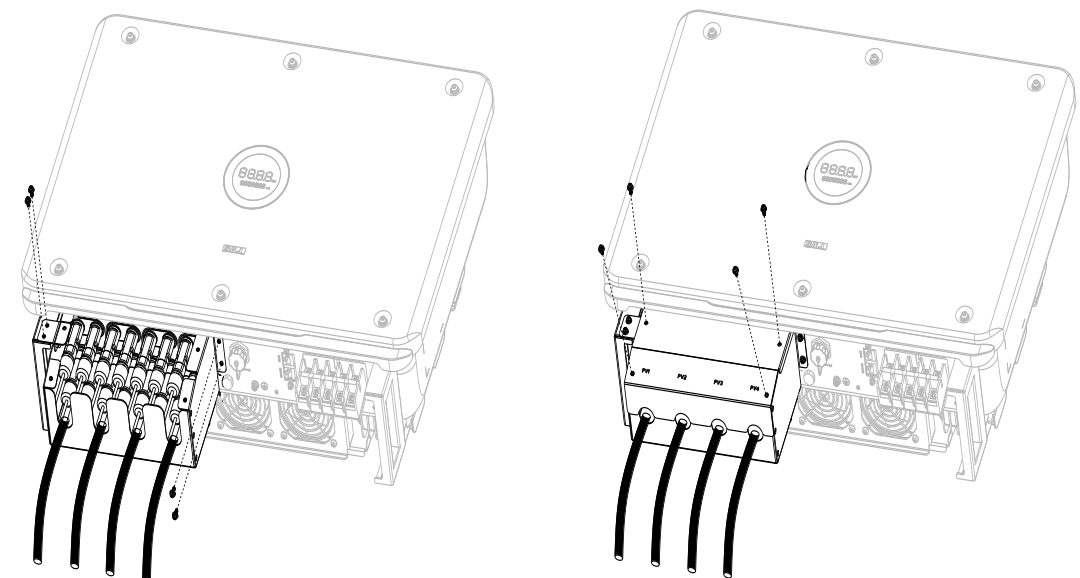


Fig.5.4 Installation method of PV shell

#### 6、Connect the communication modules

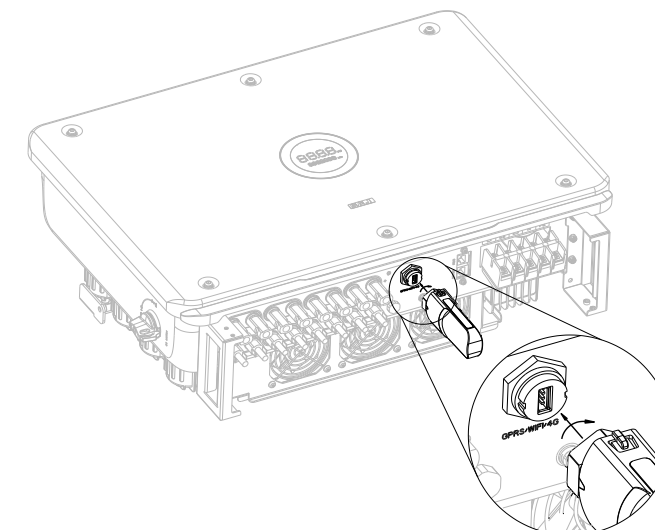


Fig. 6.1 Connect the communication modules