

Inverter Quick Installation Guide

This installation guide is applicable to R5-0.7K~8K-S1/S2 & R5-5K-S2-B&R5-6K-S2-IE&R5-0.7K~8K-S1/S2-15&R5-5K-S2-15-B&R5-6K-S2-15-IE grid-tied inverter

1、Installation ways and gaps

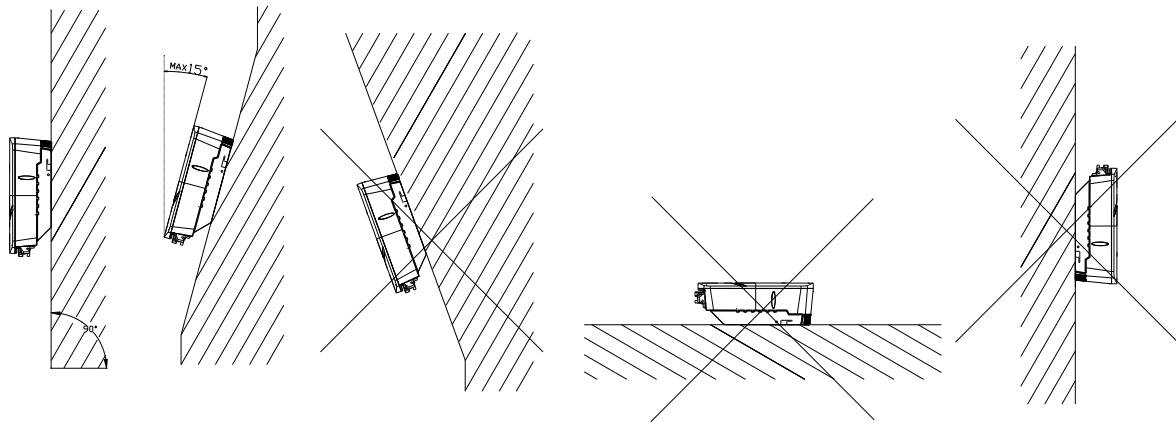


Fig. 1.1 Installation ways

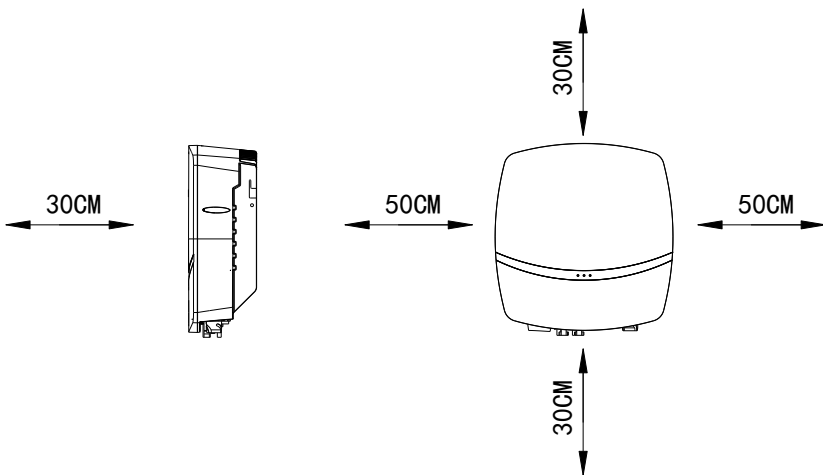


Fig. 1.2 Installation gaps

2、Hanging panel size and drill hole

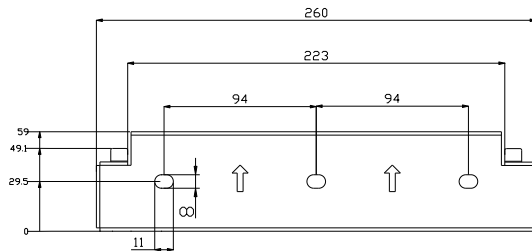


Fig. 2.1 hanging panel size

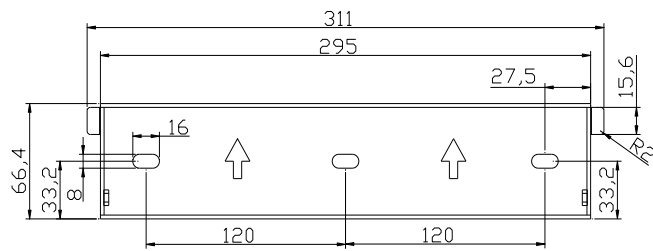


Fig. 2.2 hanging panel size

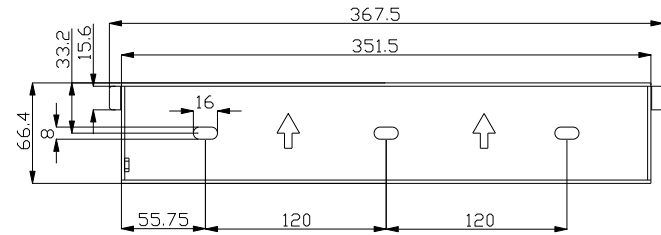


Fig. 2.3 hanging panel size

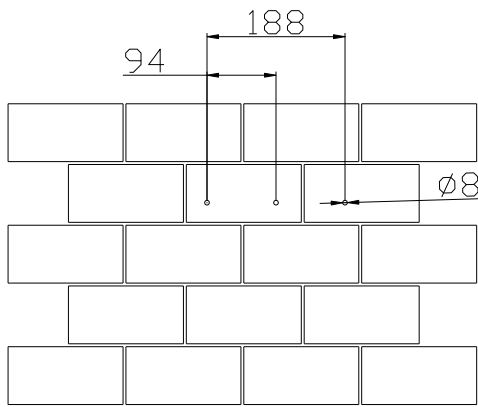


Fig. 2.4 Position of installing hole on hanging panel

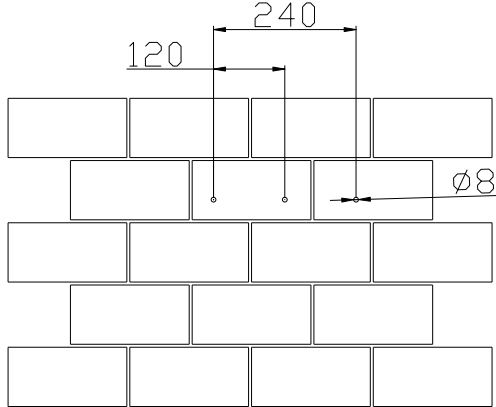


Fig. 2.5 Position of installing hole on hanging panel

3、Inverter installation

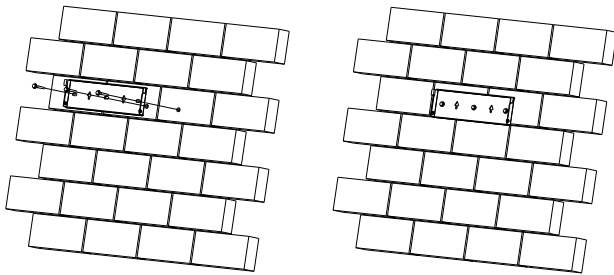


Fig. 3.1 Fix the hanging panel

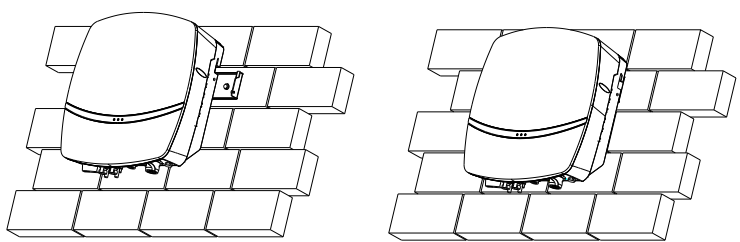


Fig. 3.2 Install the inverter on hanging panel

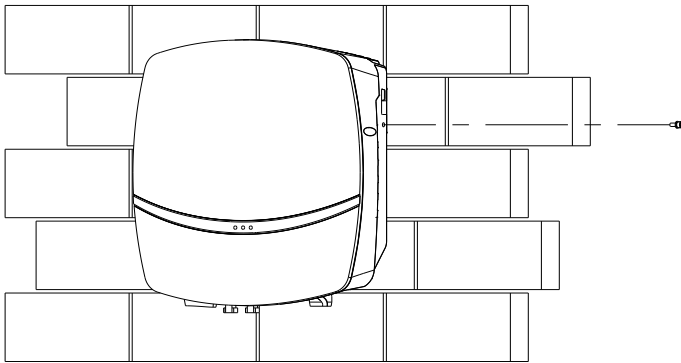


Fig. 3.3 Fix the inverter and hanging panel

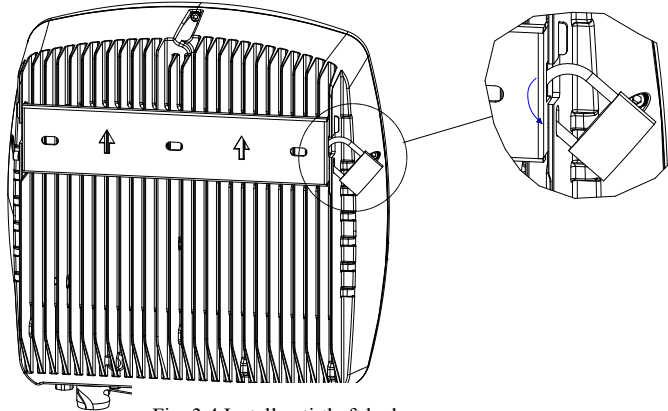


Fig. 3.4 Install anti-theft lock

4、Power grid side electrical connection

Type	Wire cross sectional area recommended value/max. value(zmm²)	External diameter(mm)
R5-0.7K/1K/1.5K/2K/2.5K/3K-S1 R5-0.7K/1K/1.5K/2K/2.5K/3K-S1-15	4.0 /6.0	4.2~5.3
R5-3K/3.6K/4K/5K/6K-S2&R5-5K-S2-B&R5-6K-S2-IE R5-3K/3.6K/4K/5K/6K-S2-15&R5-5K-S2-15-B&R5-6K-S2-15-IE	4.0 /6.0	4.2~5.3
R5-7K/8K-S2 & R5-7K/8K-S2-15	3X8.37/3X10	15~22

Table 4.1 AC side electrical connection

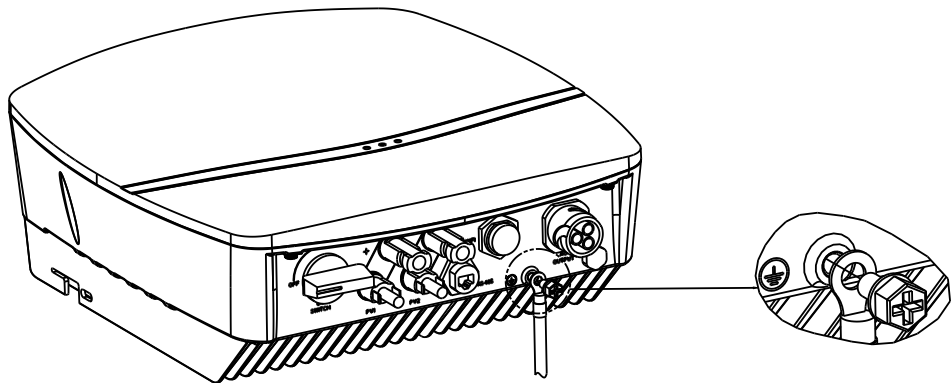


Fig. 4.1 Inverter ground protection

R5-0.7K/1K/1.5K/2K/2.5K/3K-S1&R5-3K/3.6K/4K/5K/6K-S2&R5-5K-S2-B&R5-6K-S2-IE
R5-0.7K/1K/1.5K/2K/2.5K/3K-S1-15&R5-3K/3.6K/4K/5K/6K-S2-15&R5-5K-S2-15-B&R5-6K-S2-15-IE
AC side electrical connection

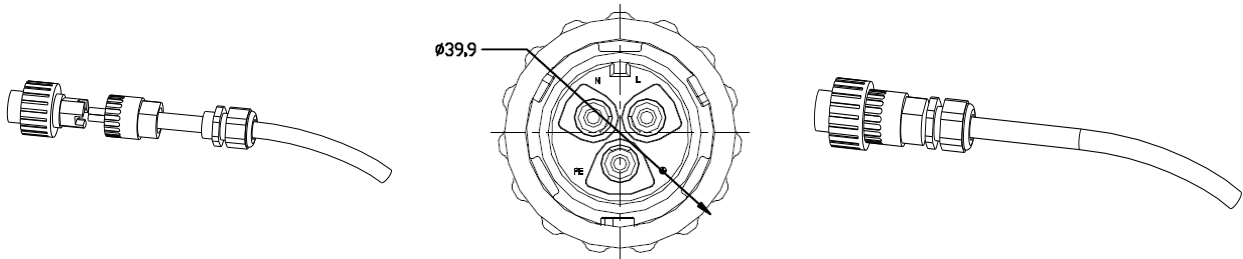


Fig. 4.2 Penetrate the cable and connect quickly Fig. 4.3 Connect the cable as per the positions respectively Fig. 4.4 Screw up the connector

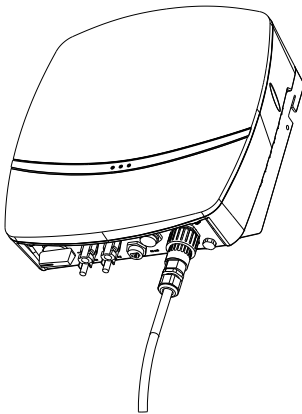


Fig. 4.5 Connect the joint to the inverter

R5-7K/8K-S2& R5-7K/8K-S2-15 AC side electrical connection

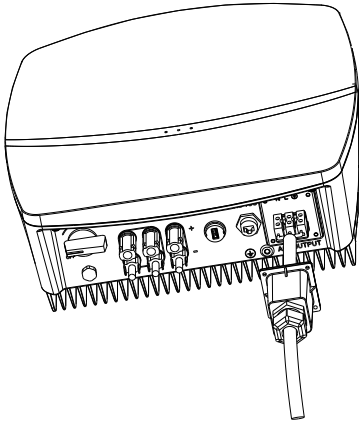


Fig. 4.6 Connect the cable

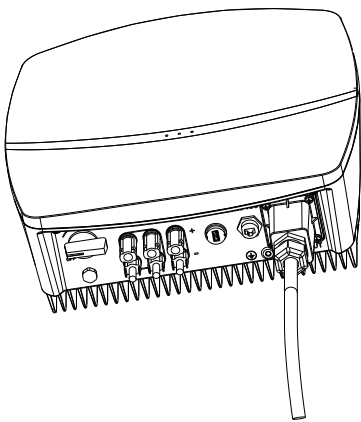


Fig. 4.7 Tighten up AC interface protective cover and the locker

5、DC side connection

Cross-sectional area of cables(mm²)		Outside diameter of the cables(mm)
Scope	Recommended value	
4.0-6.0	4.0	4.2-5.3

Table5.1 Recommended specifications of DC cables

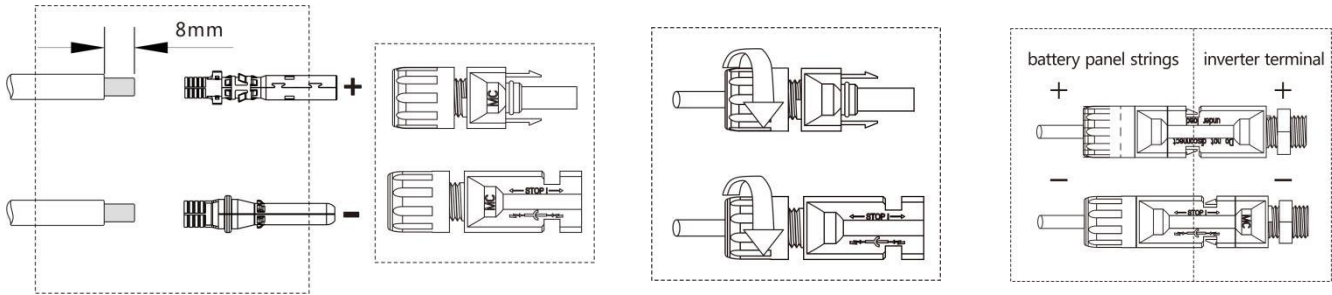


Fig. 5.1 Connect DC cable in a crimp-type way Fig. 5.2 Insert the joint and screw it up Fig. 5.3 Connect to the inverter

6、Connect the communication modules

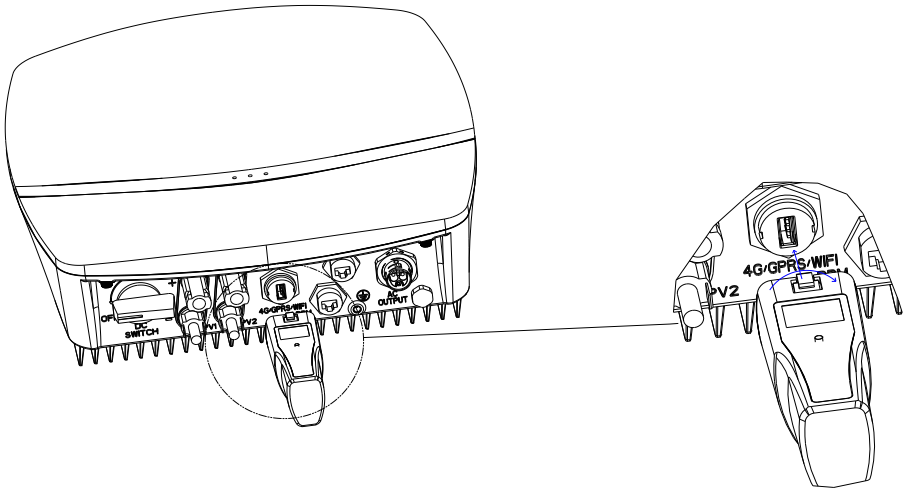


Fig. 6.1 Connect the communication modules