

## Inverter Quick Installation Guide

This installation guide is applicable to the following grid-tied solar inverters:  
R5-(0.7K, 1K, 1.5K, 2K, 2.5K, 3K)-S1-15, R5-(3K, 3.6K, 4K, 5K, 6K, 7K, 8K)-S2-15

### 1. Determine the installation method and position.

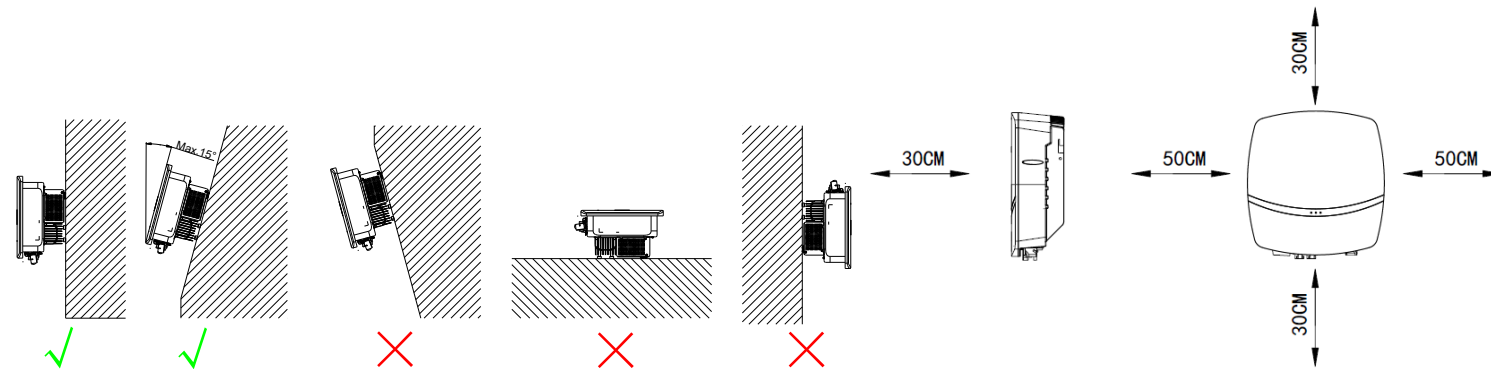


Fig.1.1 Installation method

Fig.1.2 Installation space requirement

### 2. Mark the drilling holes on the wall with the rear panel and drill three holes on the wall.

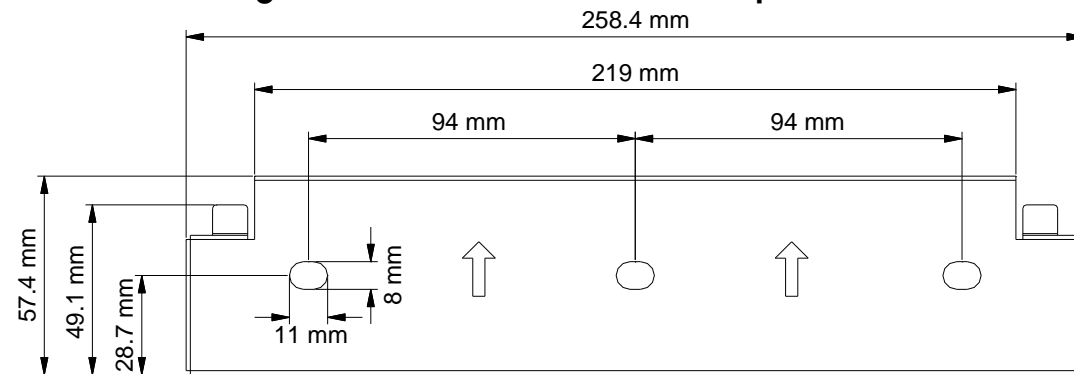


Fig.2.1 Rear panel dimensions of R5-(0.7K-3K)-S1-15

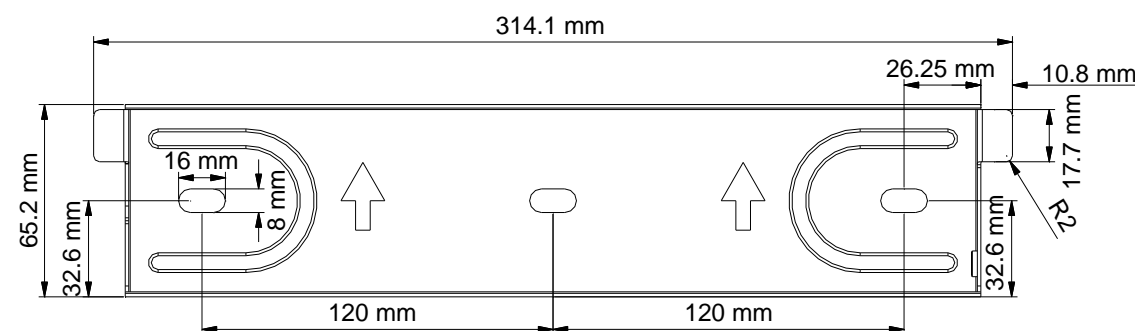


Fig.2.2 Rear panel dimensions of R5-(3K-6K)-S2-15

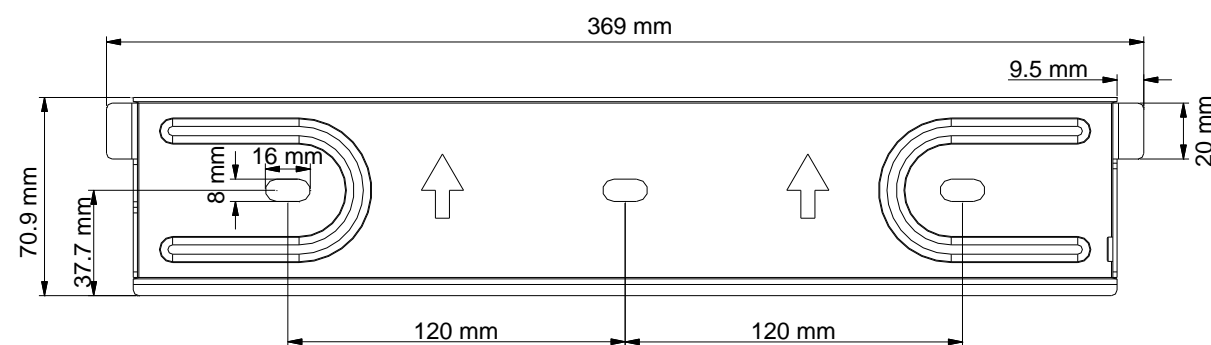


Fig.2.3 Rear panel dimensions of R5-(7K-8K)-S2-15

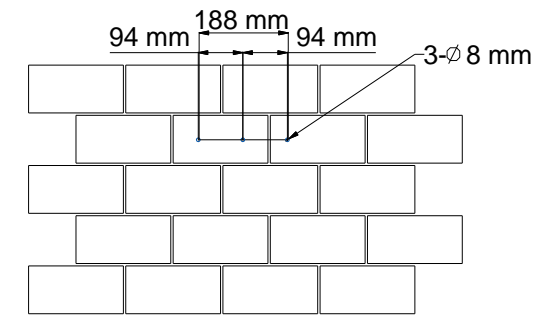


Fig.2.4 Drilling holes for R5-(0.7K-3K)-S1-15

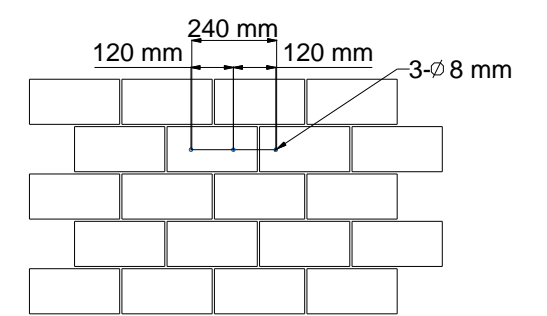


Fig.2.5 Drilling holes for R5-(3K-8K)-S2-15

### 3. Secure the rear panel to the wall. Mount, secure, and lock the inverter.

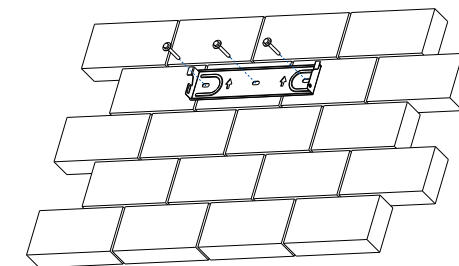


Fig.3.1 Securing the rear panel

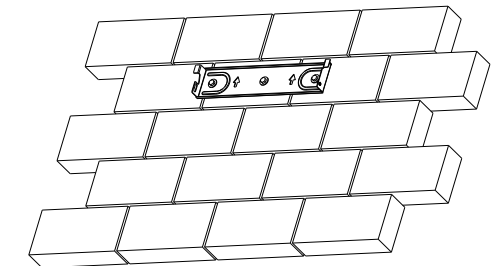


Fig.3.2 Mounting the inverter to the rear panel

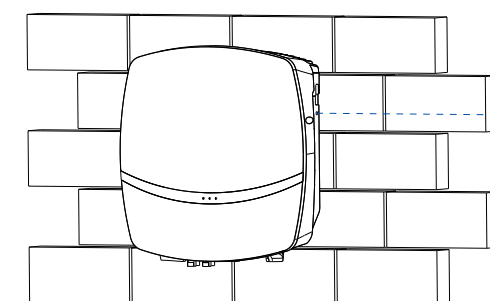


Fig. 3.3 Securing the inverter with a screw

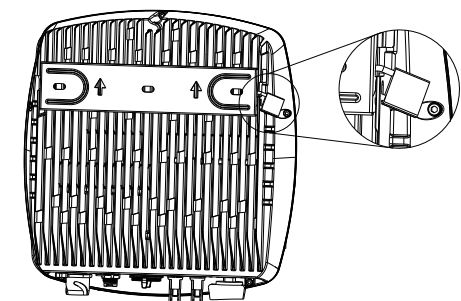


Fig. 3.4 Locking the inverter (optional)

### 4. Connect the grounding cable.

The recommended conductor cross-sectional area of the grounding cable is 6-16mm<sup>2</sup>.

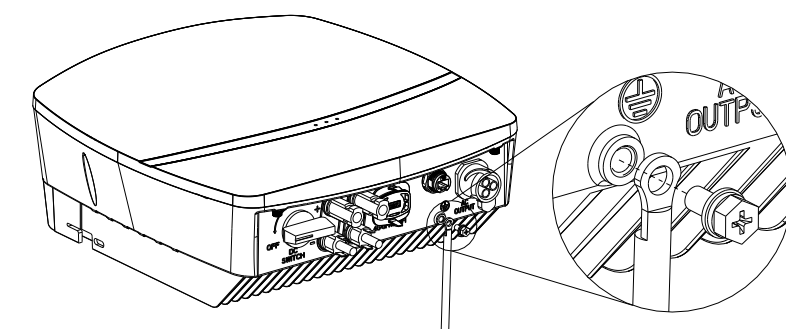


Fig.4.1 Connecting the grounding cable

□ 5. Prepare and connect the AC-side cables.

Model	Cross sectional area recommended value/max. value (mm <sup>2</sup> )	Outer diameter (mm)
R5-(0.7K-3K)-S1-15	4.0/6.0	4.2-5.3
R5-(3K-6K)-S2-15	4.0/6.0	4.2-5.3
R5-(7K-8K)-S2-15	3*8.37/3*10	15-22

Table 5.1 Recommended power grid connecting cable specification

AC-side electrical connection of R5-(0.7K-3K)-S1-15 and R5-(3K-6K)-S2-15

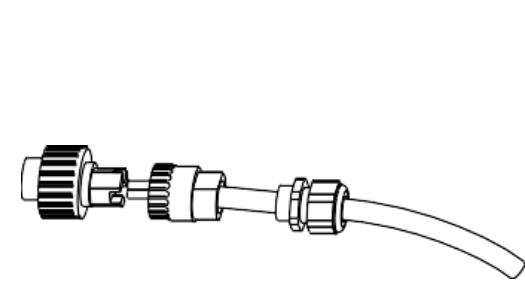


Fig.5.1 Feeding the AC cable

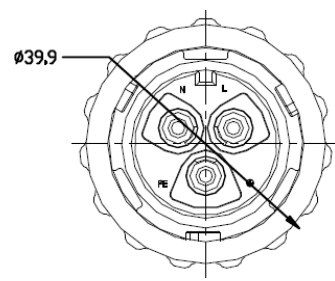


Fig.5.2 Connecting the cables according to the L, N, and PE markings

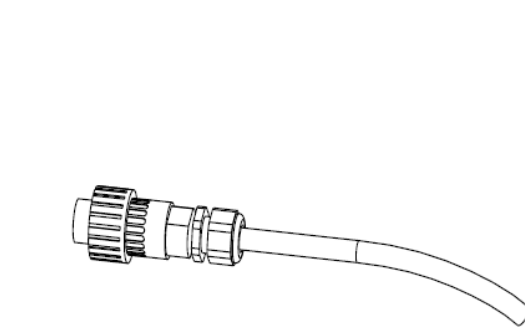


Fig.5.3 Tightening the connector

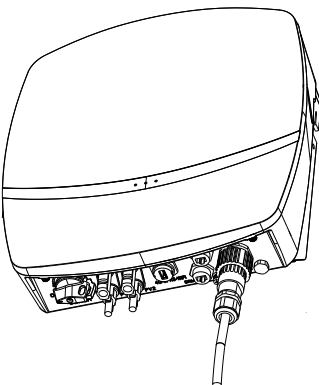


Fig.5.4 Connecting the AC cable to the inverter

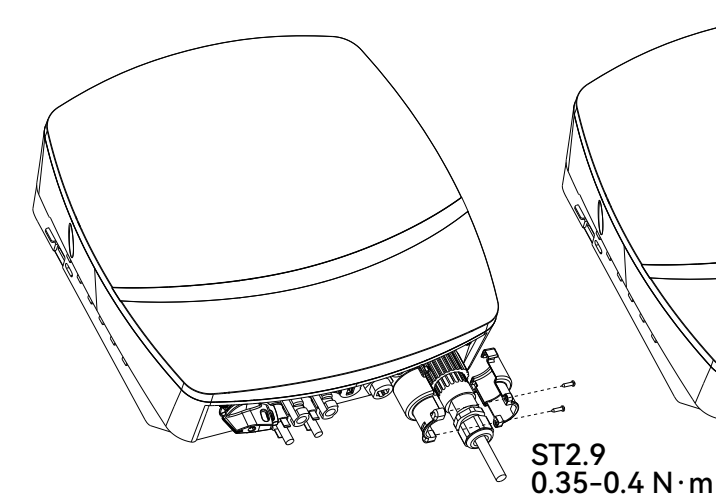


Fig.5.5 Installing the protective covers

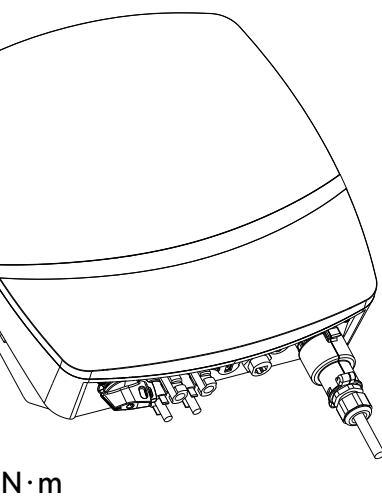


Fig.5.6 Securing the protective covers

ST2.9  
0.35-0.4 N·m

AC-side electrical connection of R5-(7K-8K)-S2-15

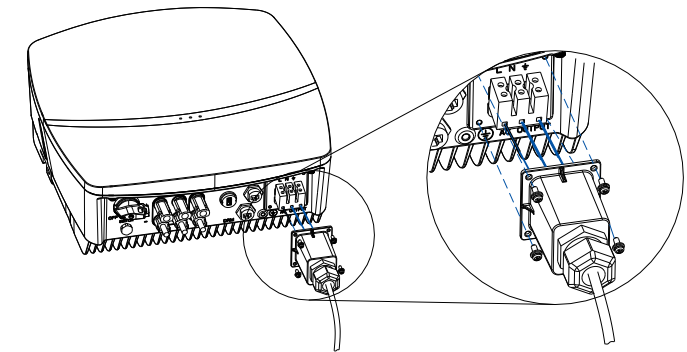


Fig.5.7 Connecting the AC cables

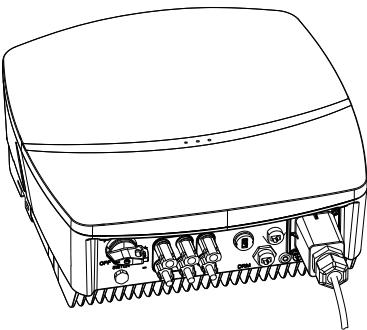


Fig.5.8 Tightening the waterproof nut

□ 6. Prepare and connect the DC-side cables.

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

Table 6.1 Recommended specifications of DC cables

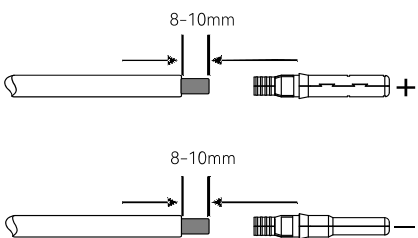


Fig.6.1 Stripping off the insulation

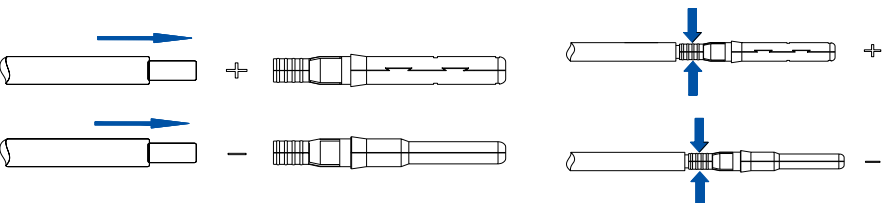


Fig.6.2 Assembling the cable ends

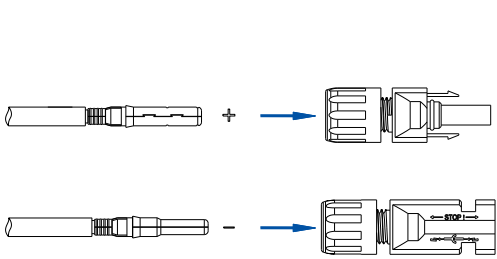


Fig.6.3 Inserting cables into connectors

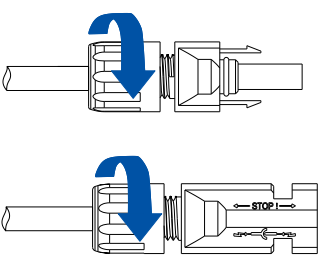


Fig.6.4 Tightening lock screws

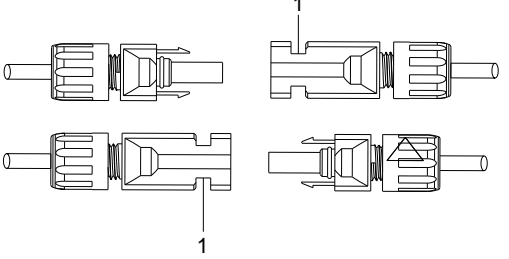


Fig.6.5 Connecting cables to inverter

□ 7. Remove the dust-proof cover and insert the communication module to the 4G/GPRS/WIFI port.

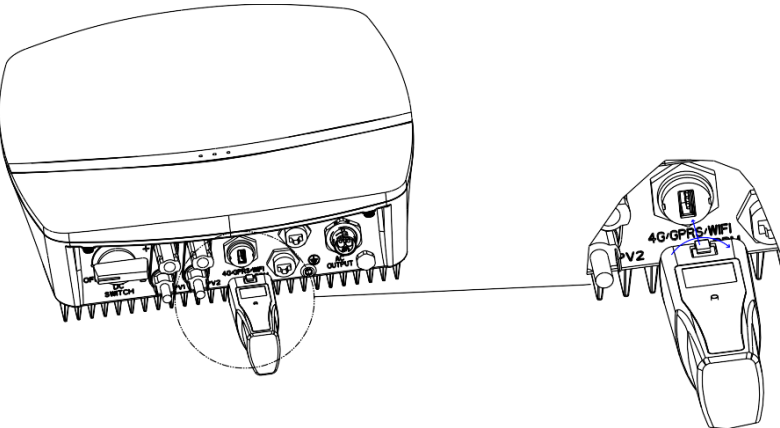


Fig.7.1 Installing the communication module

Installer: \_\_\_\_\_