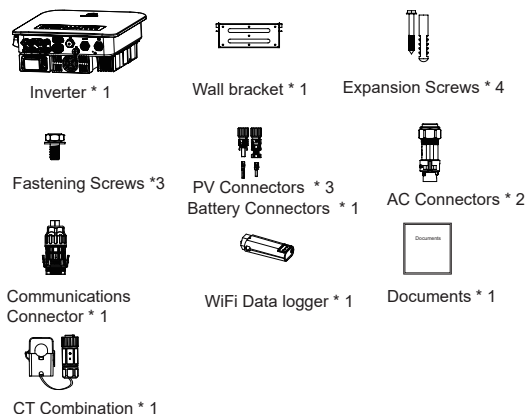


# Quick Installation Guide

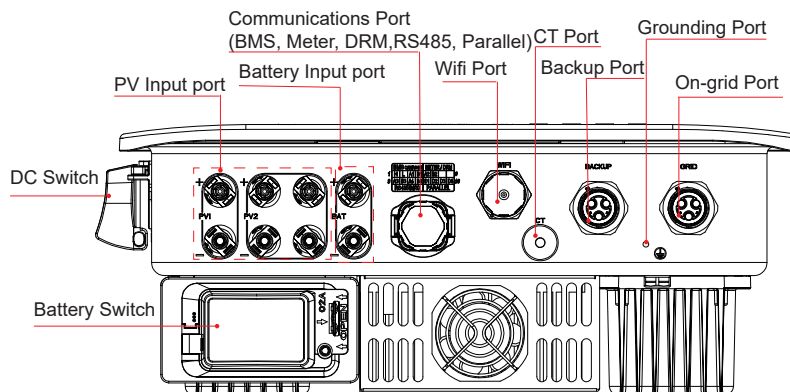
## PHS3-8K - M1

### 1 Overview

#### 1.1 Scope of Delivery

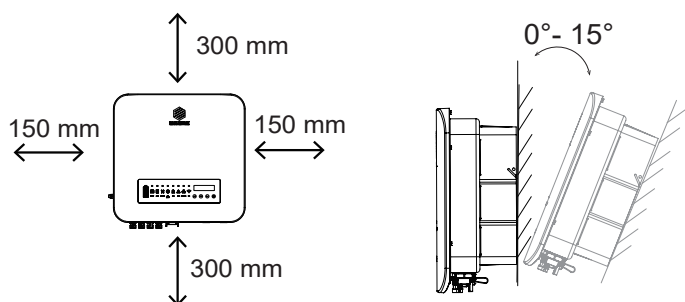


#### 1.2 Port Description



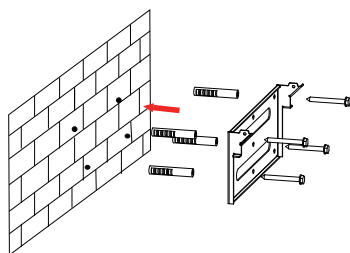
### 2 Mechanical Installation

#### 2.1 Installation Requirement

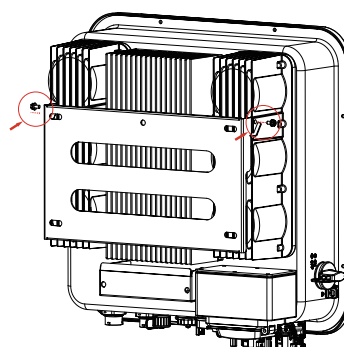


- 1) A minimum 150 mm clearance should be kept between two inverters and a minimum 300 mm clearance between inverters and the ground.
- 2) Install inverter vertically or with a backward tilt within 15°.

#### 2.2 Mounting

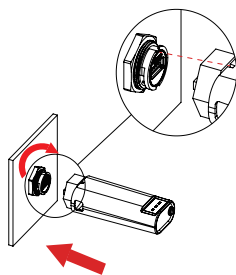


- 1) Drill 4 mounting holes of about 4 cm deep with a 10 mm drill bit
- 2) Insert expansion tubes into holes
- 3) Fix the bracket on the wall with screws



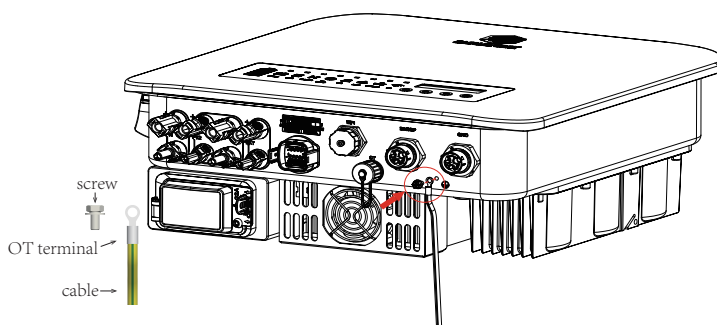
- 1) Hang the inverter on the bracket
- 2) Lock the inverter to the bracket with screws

#### 2.3 Wifi/GPRS Stick Logger Installation



- 1) Plug the stick to the Wifi port on the inverter
- 2) Rotate the front operative part of the stick clockwise till the secure connection of the stick.

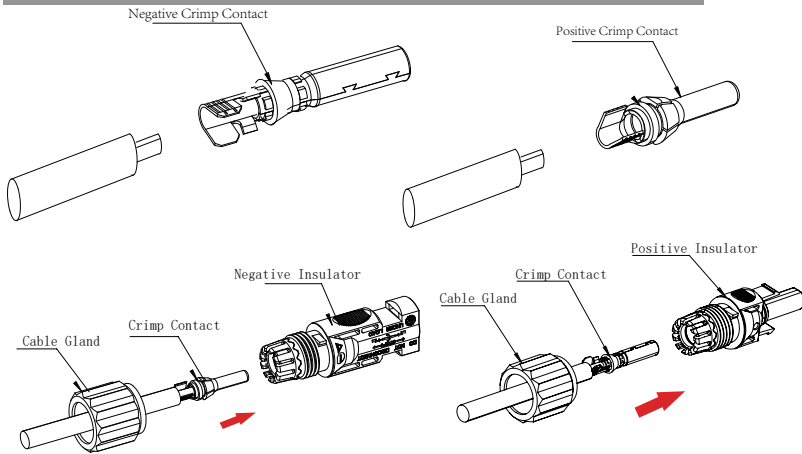
#### 2.4 External Grounding Connection



- 1) Crimp a grounding cable to the OT terminal
- 2) Insert a fastening screw into the OT terminal
- 3) Insert them to the grounding port of the inverter
- 4) Screw them together.

### ③ Electrical Connection

#### 3.1 Assemble PV and Battery connectors



- 1) Strip off the DC Cable for a little length.
- 2) Insert the wire into the Crimp Contact and crimp them with an electrical crimp-er.

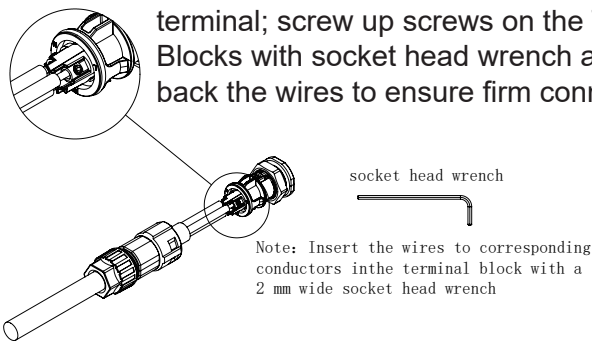
- 3) Thread the cable through the Cable Gland, insert it into the insulator, and gently pull back the cable to ensure firm connection.
- 4) Then screw up the Cable Gland to the Insulator.

#### 3.2 Install PV & Battery connectors to Inverters

- 1) Turn the Grid Supply Main Switch OFF.
- 2) Turn the DC switch OFF, and for battery, turn the battery switch OFF.
- 3) Connect the DC connectors to the Inverter, small click confirms connection.

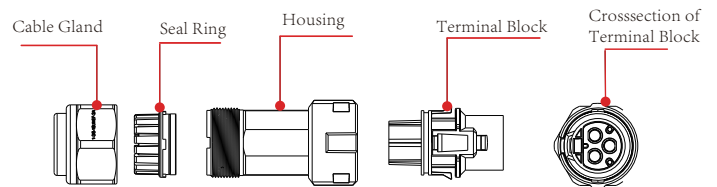
#### 3) Connect wires to the Terminal Block:

insert yellow green wire to the grounding (PE) terminal, red or brown to live line (L) terminal and blue or black to zero line (N) terminal; screw up screws on the Terminal Blocks with socket head wrench and pull back the wires to ensure firm connection.



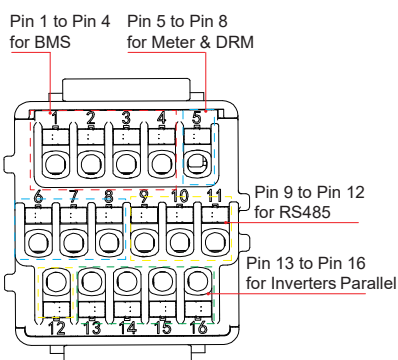
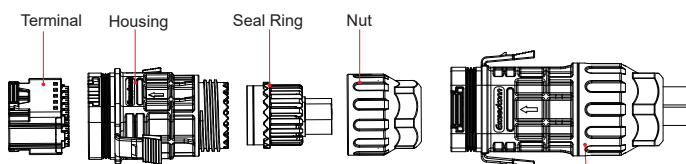
#### 3.3 AC Side Connection of Inverters

- 1) Strip off the insulation of AC cable about 8 to 15 mm.
- 2) Thread the AC cable through the Cable Gland, Seal Ring and the Housing.



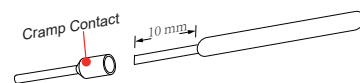
- 4) Connect the Cable Gland, Seal Ring, Housing and Terminal Block together, a small click confirms secure connection.
- 5) Connect the AC connector to the inverter, a small click confirms connection.

#### 3.4 Communications connection



#### Connector Assemble Procedures:

- 1) Strip the insulation layer off the communications cable for a little length.
- 2) Insert the wire into the Crimp Contact and crimp them with an electrical crimp-er.



- 3) Thread the communications cable through Nut, Seal Ring, and Housing successively, and insert the cable into the corresponding pin of the Terminal (Function of corresponding pin will be introduced below)

- 4) Connect the the Nut, Seal Ring, Housing and Terminal together.  
**Plug the connector to the Communication port of the inverter.**