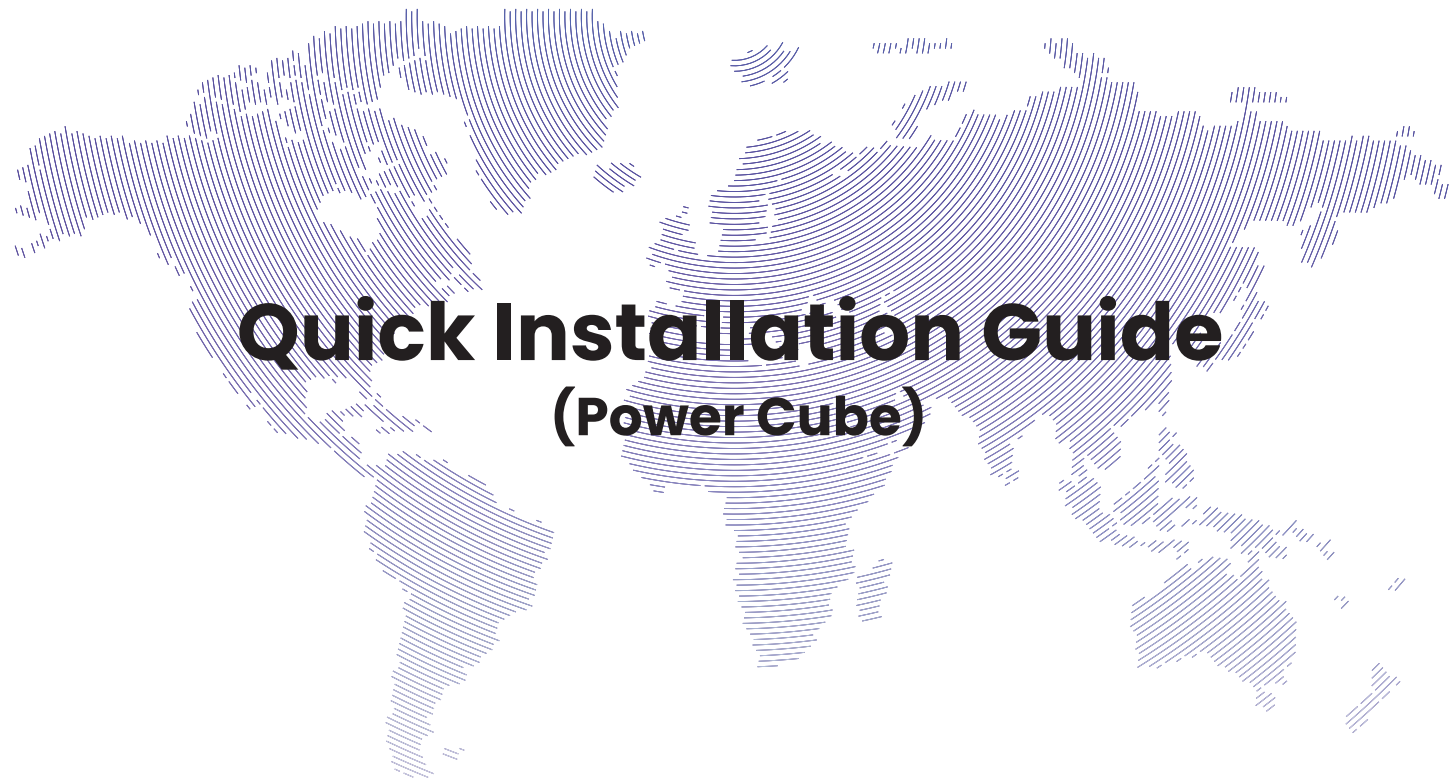




Quick Installation Guide

(Power Cube)

V 1.0.2
10-203-00696-02-X

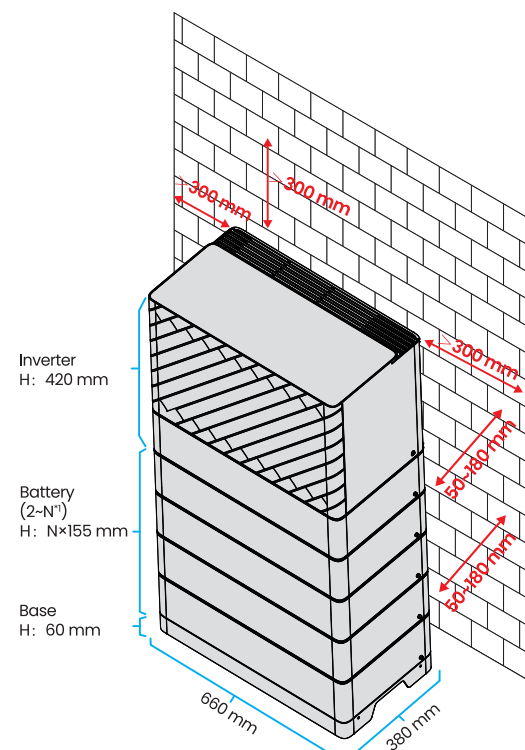
- 1. Packing List
- 2. Installation Procedure
- 3. System Diagram
- 4. Grounding Connection
- 5. PV Connection
- 6. AC Connection
- 7. BACKUP Connection
- 8. RJ45 Connection
- 9. COM Connection
- 10. System Commissioning

Inverter	Battery Series	Battery No.
Inverter	CQ7-S	2-7
	CQ7-S (w)	
	CQ7-S-80	
	CQ7-S-80 (w)	
	DQ6.6-S (w)	
	CQ6.6-S (w)	

Note: For battery series selection, please consult local sales representative.

Inverter & Battery Series Matching Table

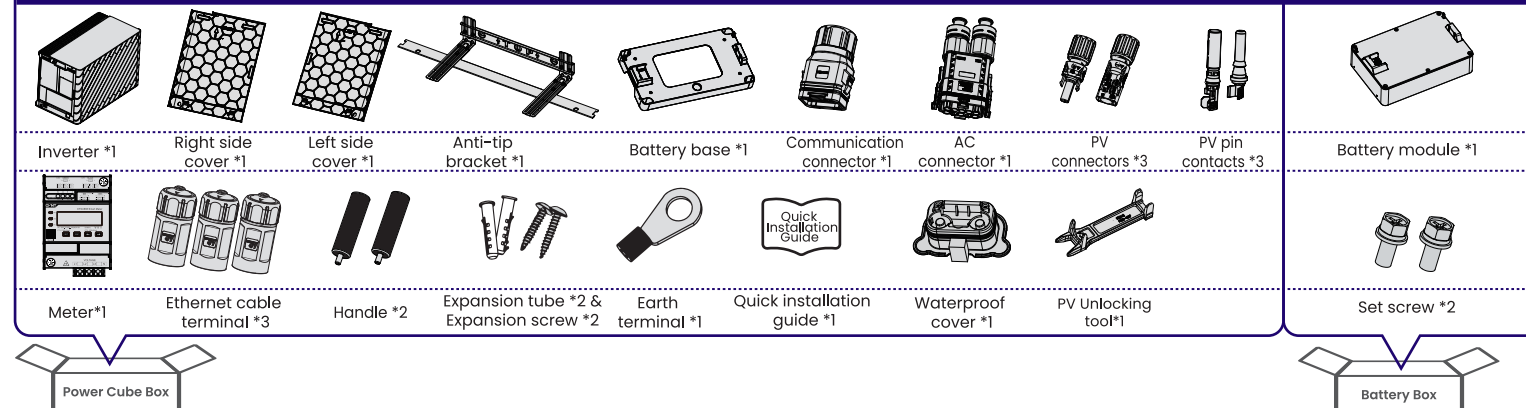
Content



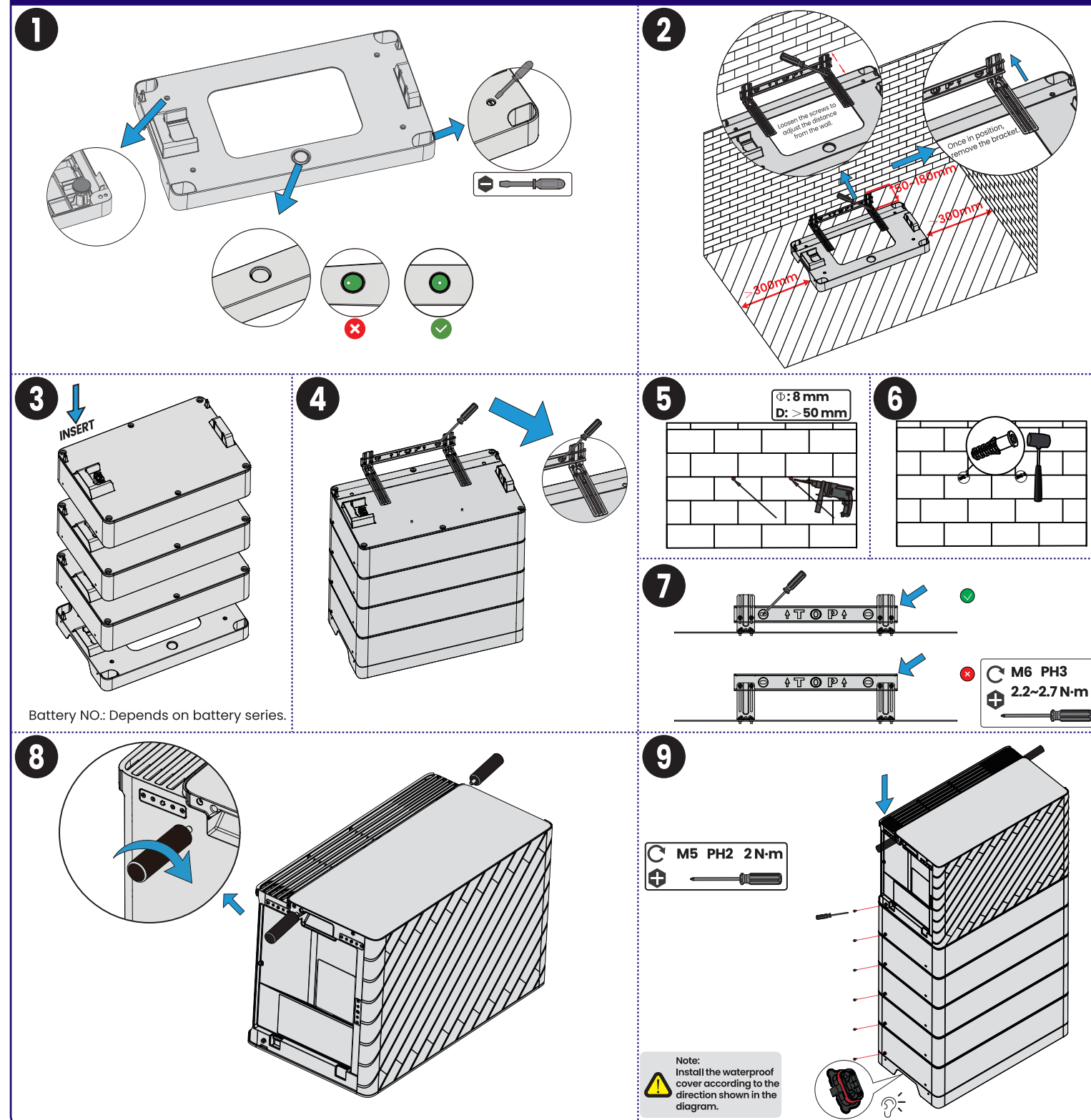
Note:
• All installation procedures must fully comply with all applicable regional and industry standards, covering cable selection, wiring, protective devices, and overall installation practices.



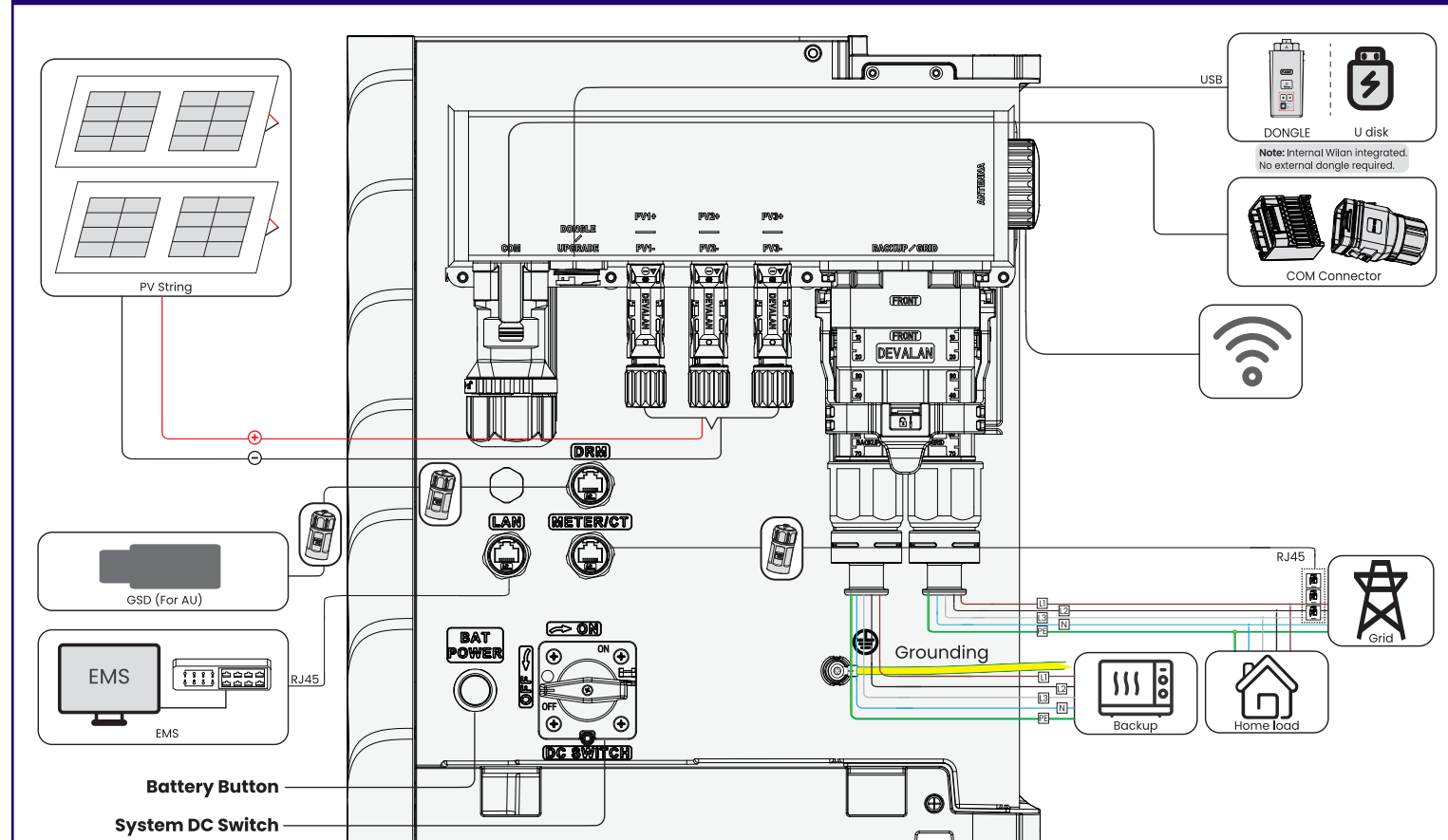
1. Packing List



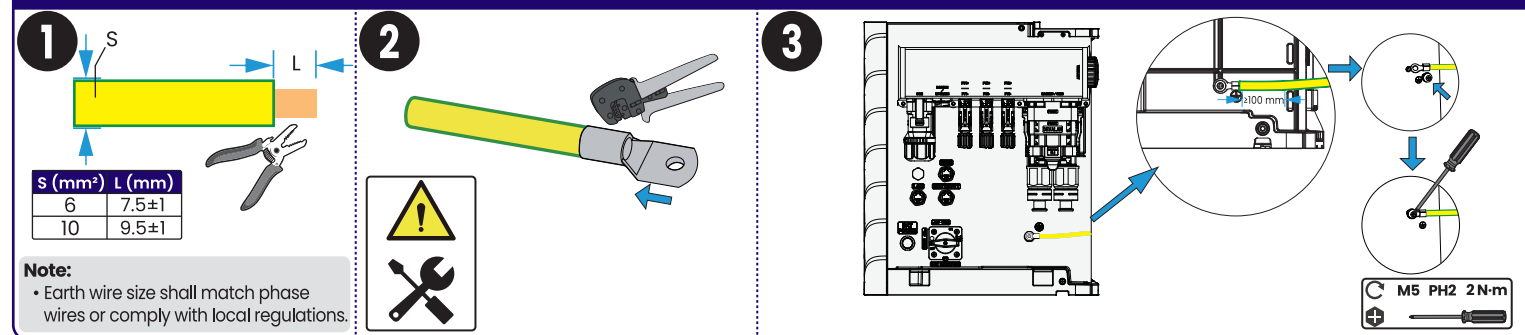
2. Installation Procedure



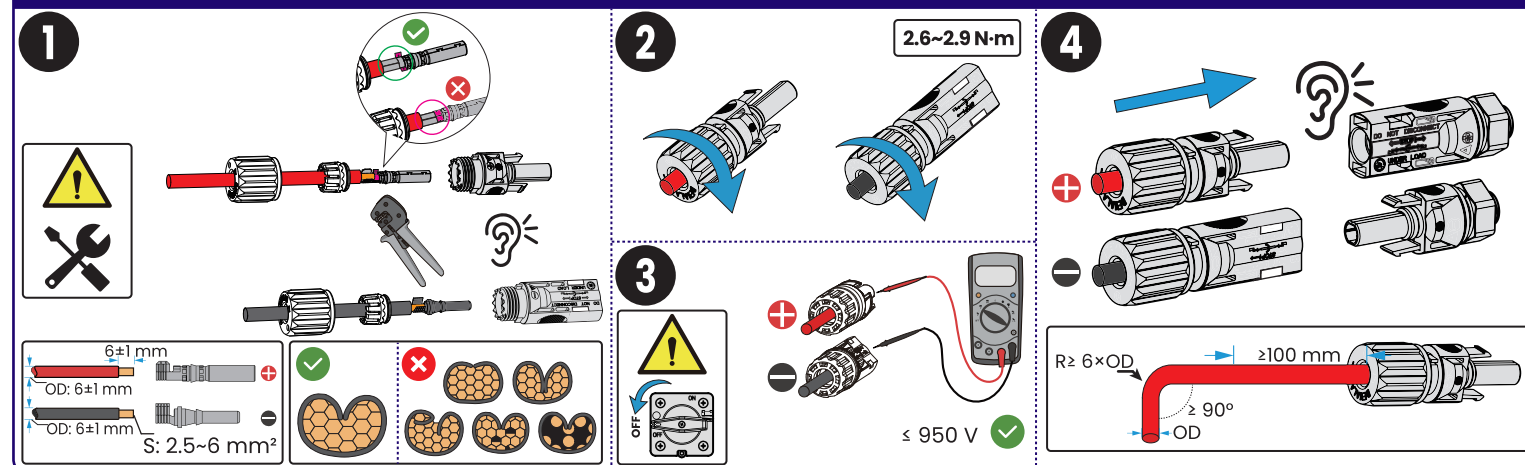
3. System Diagram



4. Grounding Connection



5. PV Connection



6. AC Connection

1

≤80 mm
18~20 mm

2

Sealing color

OD (mm)	10-12.5	15-19.5	21.5-24	25-28.5
Blue	Black	Green	Red	

3

4

Power (kW)

Conductor cross-section (mm²)

Micro-Breaker (A)

5.0~15.0	2.5~16.0	32~80
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Note: Power Cube has internal bypass 63A passthrough ability to support whole home backup solution. If the customer don't want to do any breaker upgrade, you can set the maximum input current through the app.

7. BACKUP Connection

Whole Home Backup Wiring Diagram (Australia and New Zealand, etc)

Whole Home Backup Wiring Diagram (China, Germany, the Czech Republic, Italy, etc)

Note: For countries such as Australia, New Zealand, South Africa, etc., please follow local wiring regulations. According to Australian safety requirements, the N cables of the GRID side and EPS side must be connected together. Otherwise, the EPS function will not work.

Note: For countries such as China, Germany, the Czech Republic, Italy, etc., please follow local wiring regulations. This diagram is an example for an application in which neutral is separated from the PE in the distribution box.

8. RJ45 Connection

1

2

3

4

OD: 5.5-6.5 mm

LAN

METER/CT

DRM

Type I
Meter with 6 CT

Type II
Meter with 3 CT

Note: "METER/CT" port is recommended.

9. COM Connection

EMS

Meter

SG Ready

Shut Down

11. Meter 485A
12. Meter 485B

14. EMS 485B
13. EMS 485A

17. ESTOP
18. GND

1. DY-OUT1+
2. DY-OUT1-
5. DY-OUT2+
6. DY-OUT2-

OD: 5.5-6.5 mm

10. System Commissioning

System Start Up:

1. System DC Switch ON
2. Grid Switch ON
3. Home load Switch ON
4. PV Switch ON
5. Press & hold Battery button

Covers Installation

Note: All cables must be neatly bundled and routed properly.

Note: After completing wire connections and system commissioning, please install the covers on both sides.

System Shutdown:

1. Press & hold Battery button
2. PV Switch OFF
3. Home load Switch OFF
4. Grid Switch OFF
5. System DC Switch OFF

Mobile APP

Web Management System

Please scan the QR Code and follow the steps below to download our latest multi-language User Manual/Quick Installation Guide:
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