

Quick Installation Guide

(Power Cube)

V 1.0.1
10-203-00841-01-X

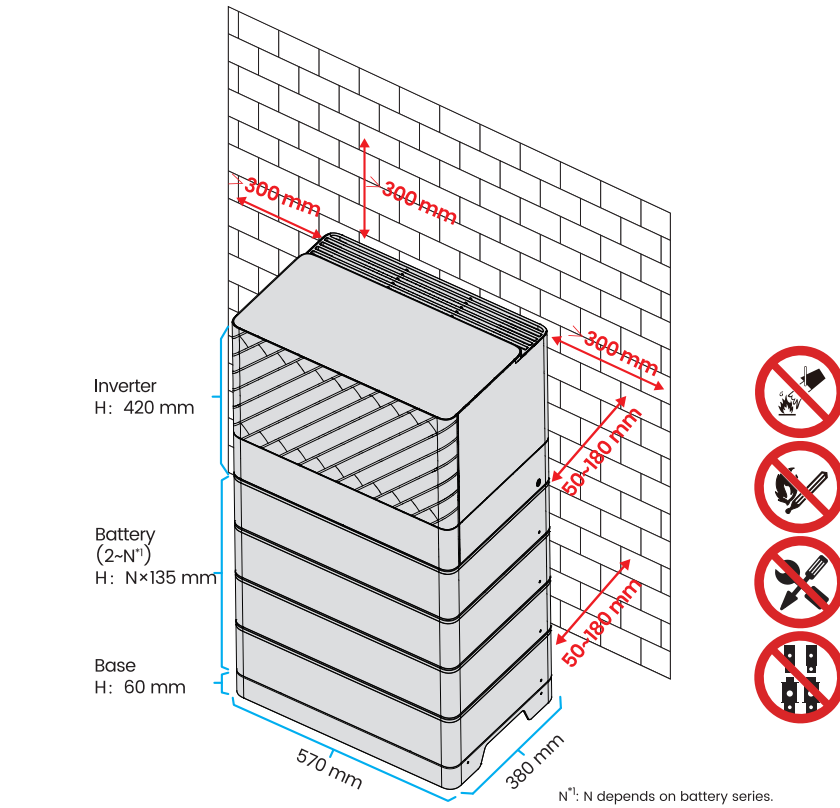
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Inverter	Battery Series	Battery No.
Inverter	EQ4800-S	2~9
	EQ5500-S	
	EQ5500-S (w)	
	TQ5000-S-P (w)	2~6
	EQ5000-S	
	EQ5000-S (w)	
	TQ4800-S	2~9
	TQ5500-S	
	TQ5000-S	2~6
	TQ5000-S (w)	

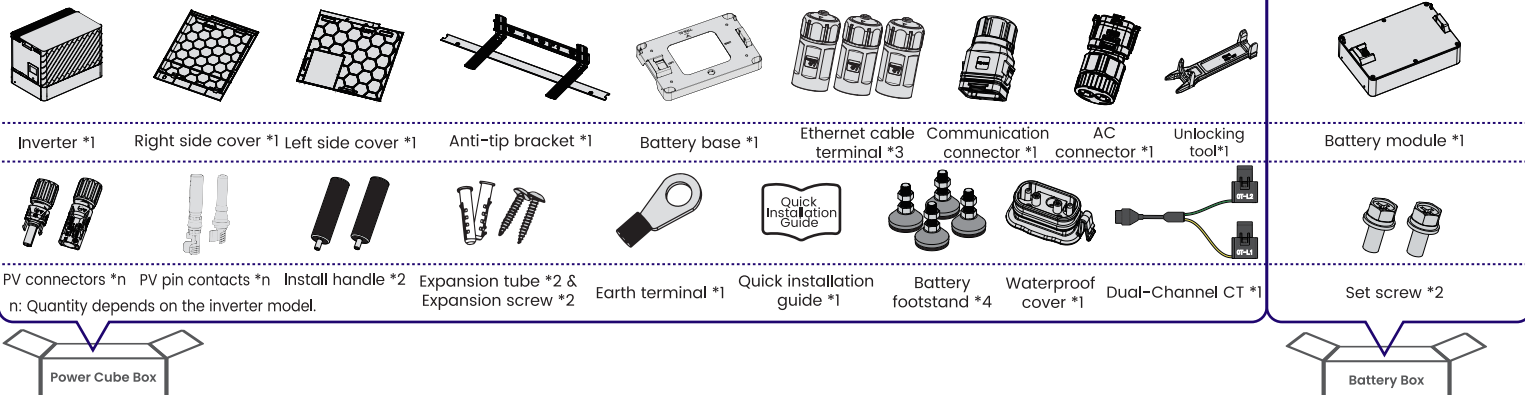
Note: For battery series selection, please consult local sales representative.

Inverter & Battery Series Matching Table

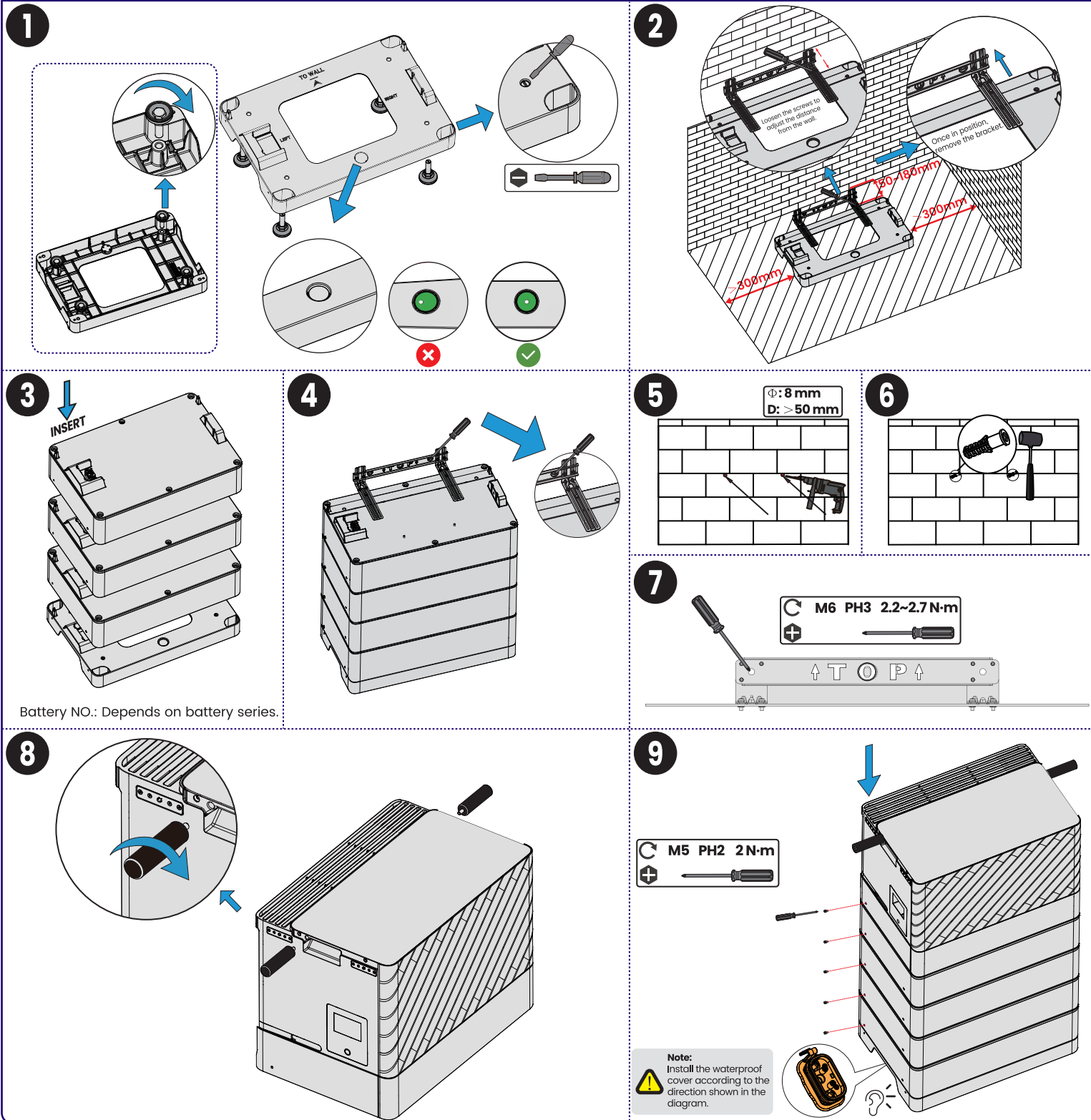


Note:
• All installation procedures must fully comply with all applicable regional and industry standards, covering cable selection, wiring, protective devices, and overall installation practices.

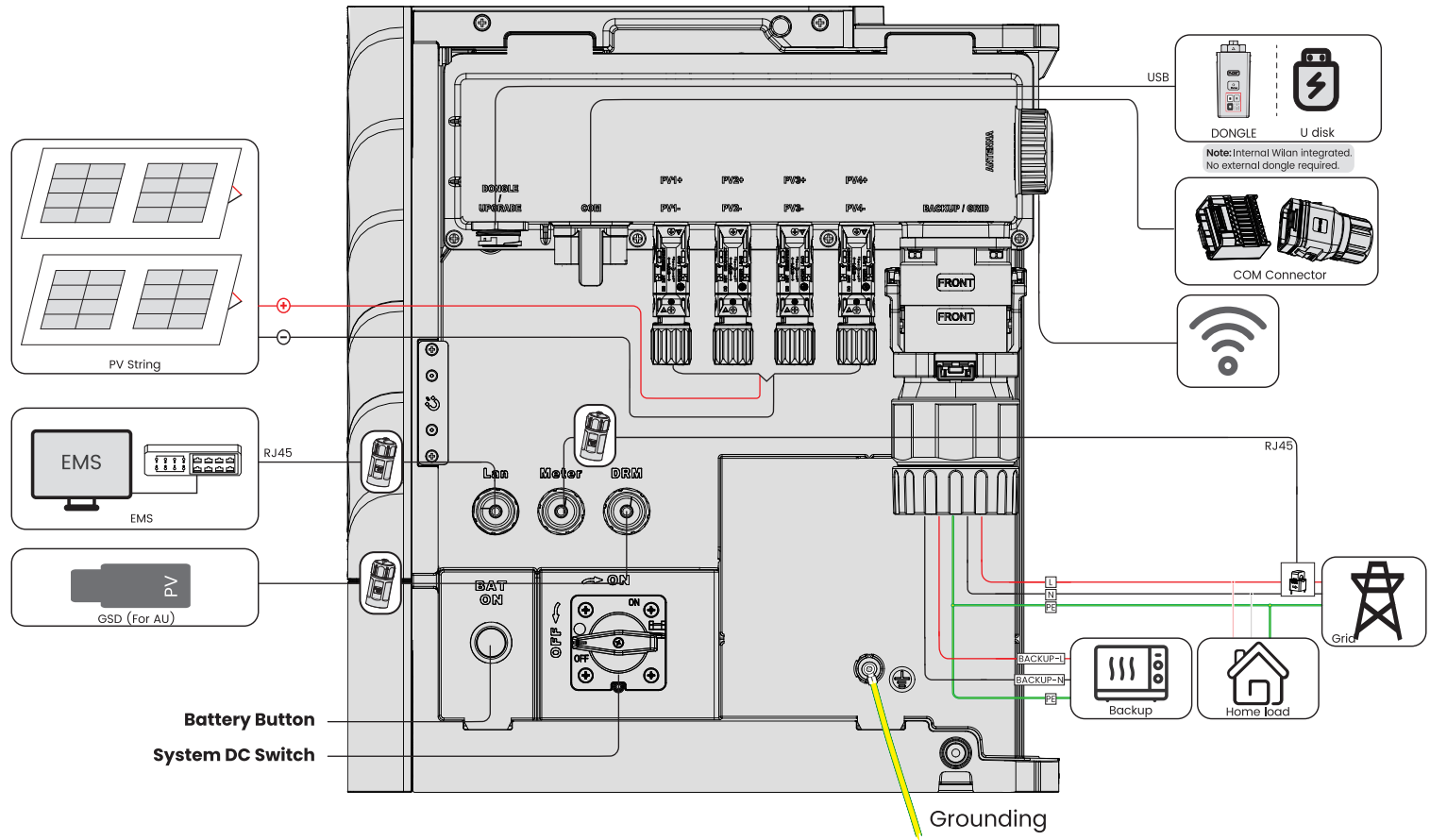
1. Packing List



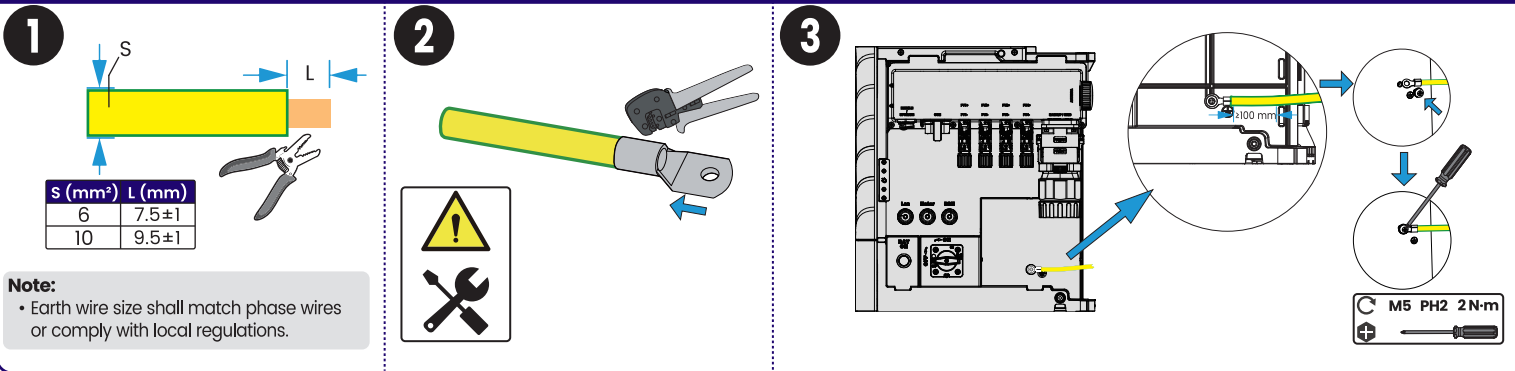
2. Installation Procedure



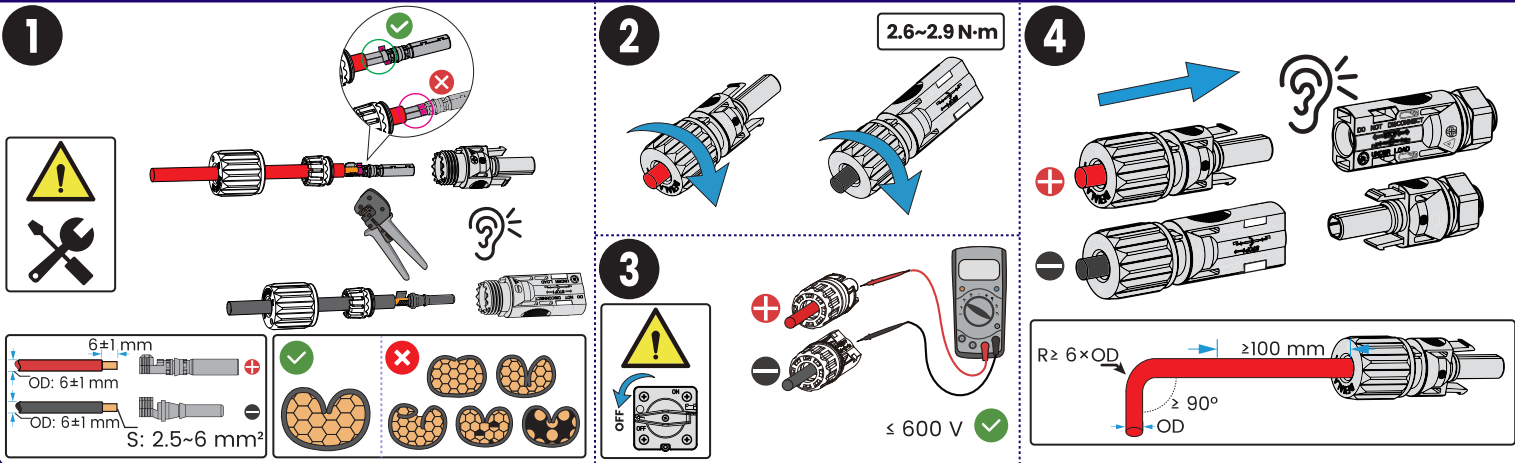
3. System Diagram



4. Grounding Connection



5. PV Connection



6. AC Connection

60±2 mm

16±1 mm

90°

R_z 6×OD

≥100 mm

OD

Power (kW)	S (mm ²)	Micro Breaker (A)
3.7	4.0	32
4.6	4.0	32
5.0	6.0	40
6.0	6.0-10.0	50
7.0-12.0	10.0	63

Sealing color

OD(mm)

9.8-13.1

14-16.1

18-20.7

21.7-23.3

1

2

3

4

5

Grid

Backup

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

7. BACKUP Connection

BACKUP_L

BACKUP_N

PE

AC Breaker

RCD

BACKUP Load

Grid

Home Load

Note: Neutral line of alternative supply must be disconnected after the grid is off. For countries such as China, Germany, the Czech Republic, Italy, etc. Please follow local wiring regulations!

8. RJ45 Connection

1

2

3

4

OD: 5.5-6.5 mm

9. COM Connection

1. K1

2. K2

5. K3

6. K4

SG Ready

14. EMS 485B

13. EMS 485A

17. ESTOP

18. COM

Shut Down

11. Meter 485A

12. Meter 485B

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

Note: "METER/CT" port is recommended.

OD: 5.5-6.5 mm

10. System Commissioning

System DC Switch

PV Switch

Grid Switch

Home load Switch

PV Switch

Home load Switch

Changeover switch

Home load

Battery button

System DC Switch

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 3s

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 5s
2. PV Switch OFF
3. Home load Switch OFF
4. Grid Switch OFF
5. System DC Switch OFF

Mobile APP

Web Management System

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