EP CUBE Quick Installation Guide_3PH V1.1

Handling and Installation - Two people recommended

(for authorized installer only)

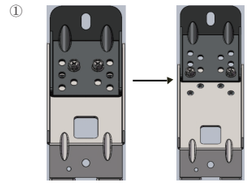


Installation Steps

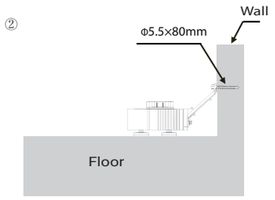
1. Base installation
2. Battery installation
3. Top battery installation (only for the long base)
4. PCS installation
5. SG installation(Optional)

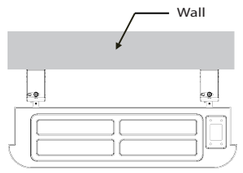
1.1 Base Installation on Wall (floor mounting)

STEPS:
①Adjust the Wall Mount Bracket - ②install brackets on the base - ③Place the base on floor.



NOTE Please remove the two screws into the right place as shown in the picture.





In base packing



Wall mount brackets

Supplied by installer

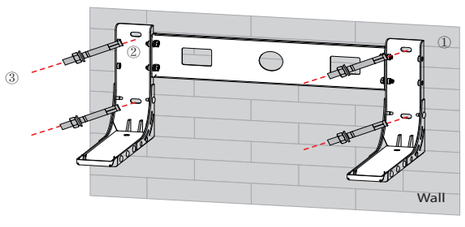
Φ5.5 mm * 2pcs

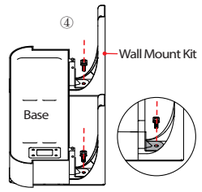
Torque

M6 7 N · m

1.2 Base Installation (wall mounting - optional wall mount kit required)

STEPS:
①Place the wall mount kit on the wall - ②Mark the holes - ③Drill the holes - ④Install the base on the wall mount kit.





Supplied by installer

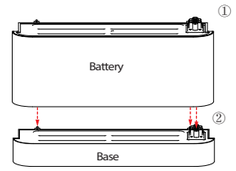
Φ5.5 mm * 4pcs

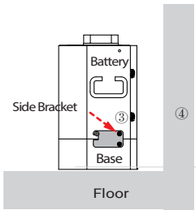
Torque

M6 7 N · m

2. Battery and Base Installation

STEPS:
①Align the connectors - ②Place the battery on the base - ③Install the side brackets - ④Fix the side brackets to the wall.





In battery packaging



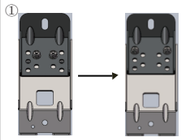
Side Brackets

Torque

M5 5 N · m

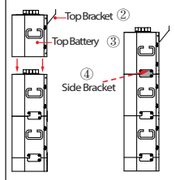
3. Top Battery Installation (only for the long base)

STEPS:
①Adjust the Wall Mount Bracket-②Install top brackets for the second tower - ③Install top battery - ④Install the side brackets.



NOTE: Please remove the two screws into the right place as shown in the picture.





In long base packing



Wall mount brackets

Supplied by Installer

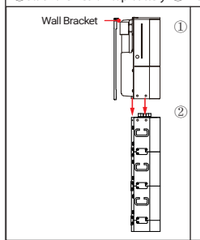
Φ5.5 mm * 2pcs

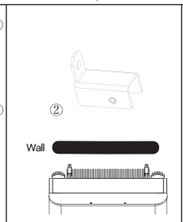
Torque

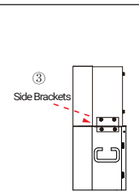
M5 5 N · m
M6 7 N · m

4. PCS installation

STEPS:
①Stack the PCS on top battery - ②Install the PCS top brackets - ③Install the side brackets







Supplied by Installer

Φ5.5 mm * 2pcs

In PCS packaging

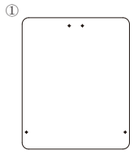
PCS Top Brackets Side Brackets

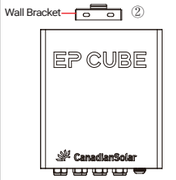
Torque

M5 5 N · m
M6 7 N · m

5. SG installation(Optional)

STEPS:
①Mark and drill holes - ②Install wall bracket - ③Hang SG on the bracket





Supplied by Installer

Φ5.5 mm * 2pcs

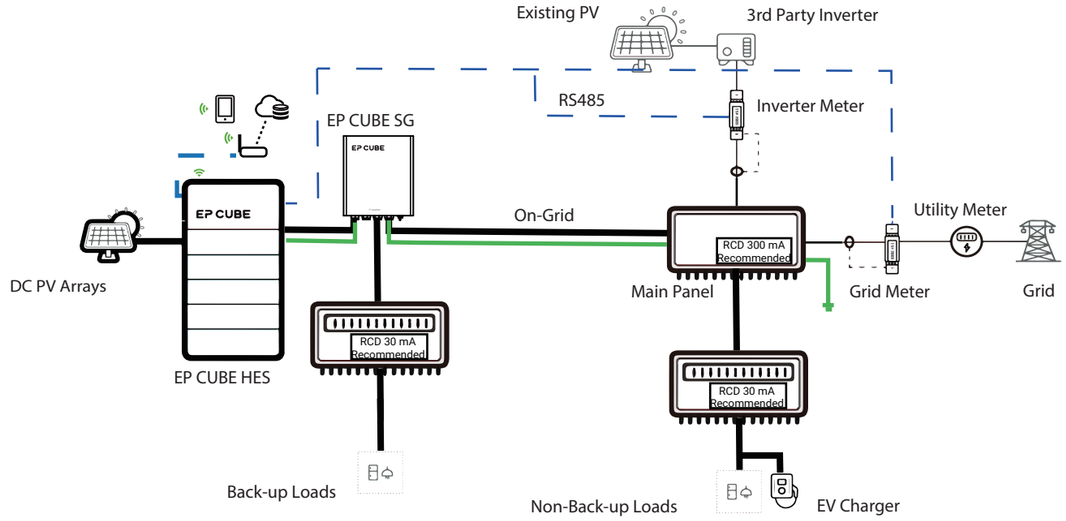
In SG packing

Wall Bracket

Torque

M6 7 N · m

Wiring Schematic With Optional SG



NOTE:
Please follow your local regulation regarding the RCD protection, if required, install a RCD protection of min. type A of 300mA.

EP Cube System Wiring

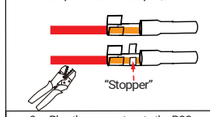
NOTE: It is recommended to install an external DC PV breaker between the EP Cube and the strings. Check string polarity with multimeter prior to connection.

1. PV to EP Cube

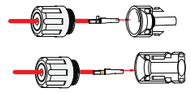
In PCS Packaging

Devalan Connector Contact Pins（Female）	2 PCS	
Devalan PV Connectors（Female）	2 PCS	
Devalan Connector Contact Pins（Male）	2 PCS	
Devalan PV Connectors（Male）	2 PCS	
Devalan PV Connector Disassembly Tool	1 PCS	

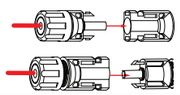
1 Crimp the male/female pins, but not the stopper.



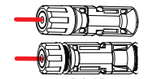
2 Assemble the connectors.

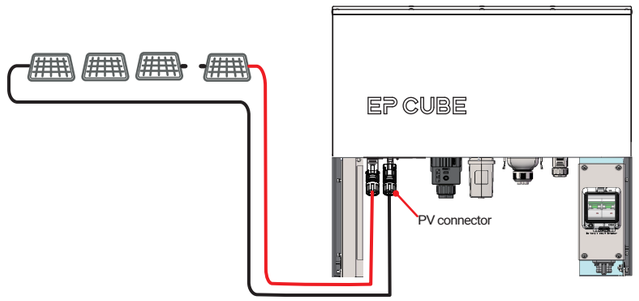


3 Plug the connectors to the PCS



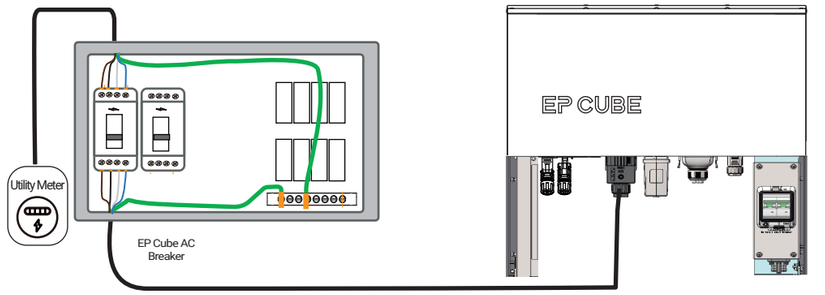
4 Lock the connectors.

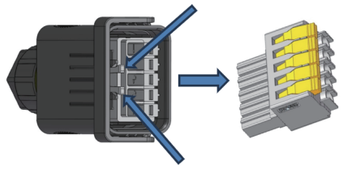




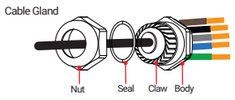
2. PCS On-Grid to EP Cube AC Breaker

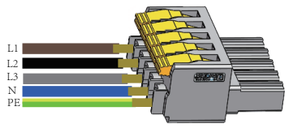




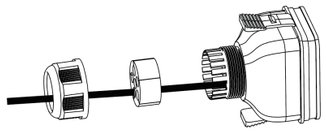




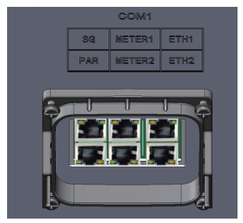




3.Com1 port wiring

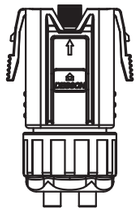


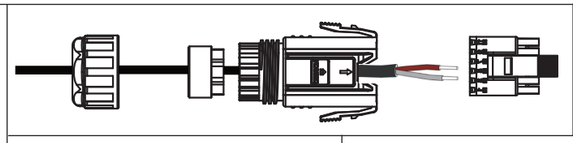
Port name	Definition
SG	Communication with SG
PAR	Communication with another PCS
METER1	Connect with 3rd inverter meter
METER2	Connect with grid meter
ETH1	Connect with ethernet(10 Mbps)
ETH2	Connect with ethernet(100 Mbps)

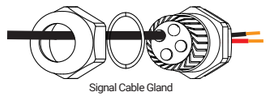


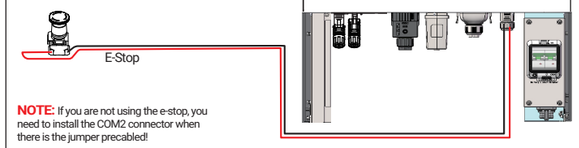
Power Cable wiring area

4. Com2 port wiring



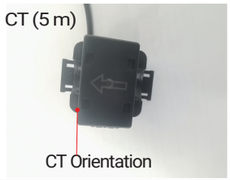


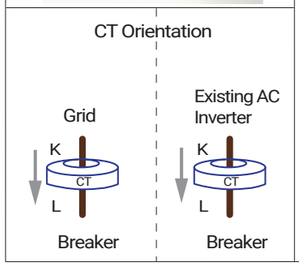


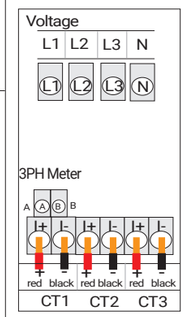


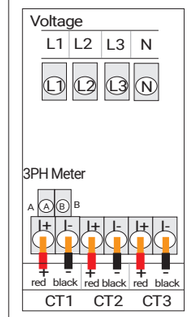
NOTE: If you are not using the e-stop, you need to install the COM2 connector when there is the jumper precabled!

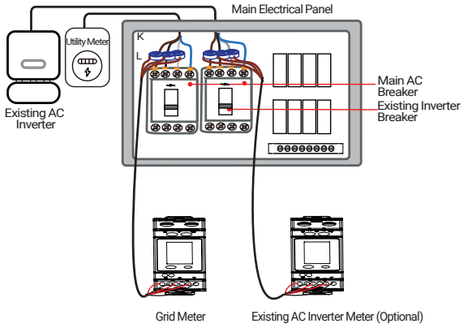
5. EP CUBE METER WIRING-AC side wiring(Three phase)







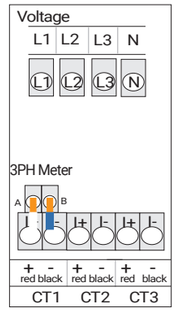


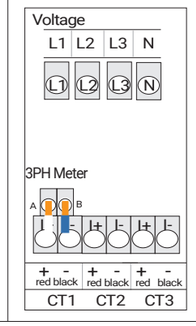


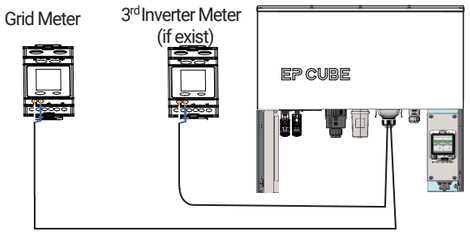
6. EP CUBE METER WIRING-PCS side wiring(Three phase)

Meter communication Cable (10 cm)

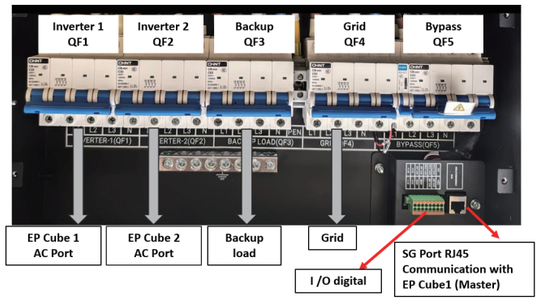


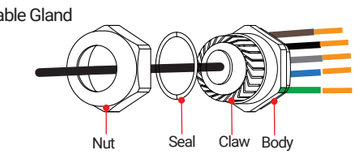






7. SG wiring(Optional)



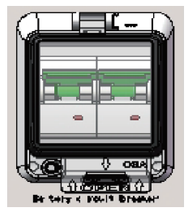


Commissioning via EP CUBE App

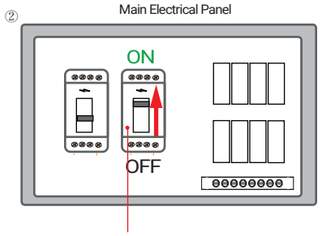
1. Power on EP CUBE, Operate EP CUBE in Standby for Commissioning

STEPS:
①Turn on EP Cube Battery Breaker - ②Turn on AC Breaker - ③Ensure that PV Switch is off - ④Do not press PCS button.

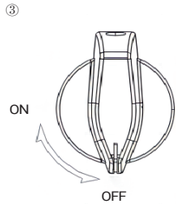
①



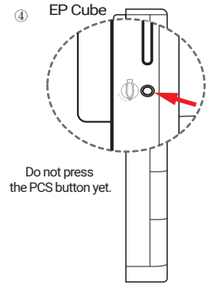
②



③



④



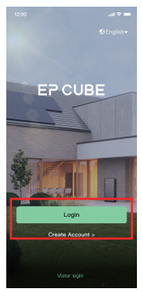
2. Download the EP CUBE APP for Commissioning

STEPS:
①Download - ②Log in to your installer account - ③"More" page - ④"New Installation"

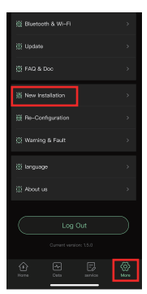
① Download the "EP CUBE" App on both Google Play Store and Apple Store.

iOS / Android App

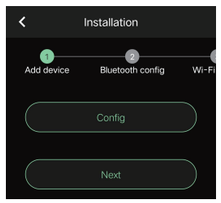
②



③



④ Complete the commissioning steps

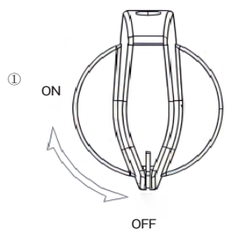


EP Cube app

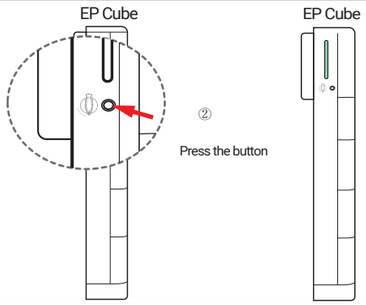
3. Activate EP CUBE

STEPS:
①Turn on the PV switch - ②Press the button for 3 sec - ③Assemble the side covers

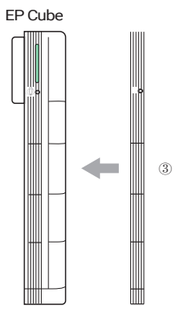
①



②



③



Service Support

Germany: service.de@epcube.com
Hotline: +49 89 839 316 41

Spain: service.es@epcube.com
Hotline: +34 917 894 343

Italy : service.it@epcube.com
Hotline: +39 347 54 62 350

UK: service.uk@epcube.com
Hotline: +49 89 519 9689 2530

Canadian Solar EMEA GmbH
Add: Radlkoferstrasse 2, 81373, Munich, Germany
Tel: +49 89 51996890 E-mail: emea.sales@csisolar.com

Designed and manufactured by Eternalplanet
www.epcube.com April 2026 | All rights reserved | EP Cube Quick Installation Guide_3PH_V1.1