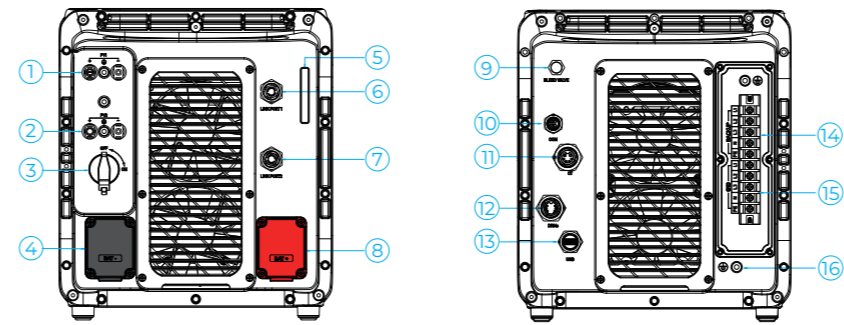
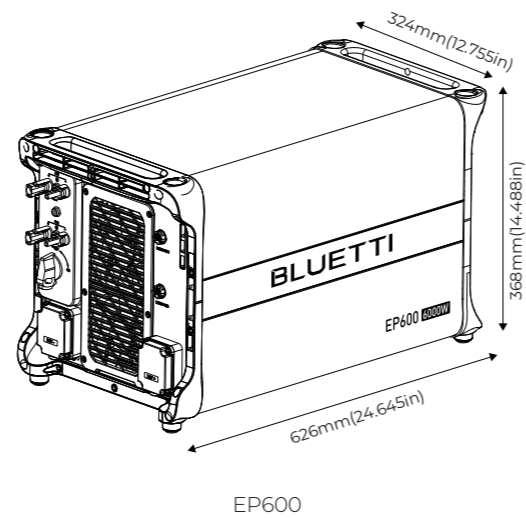




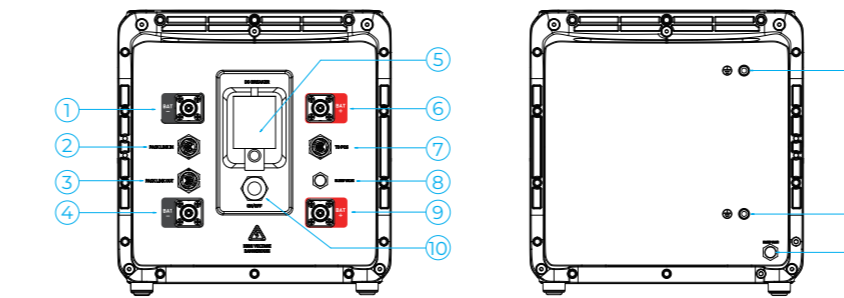
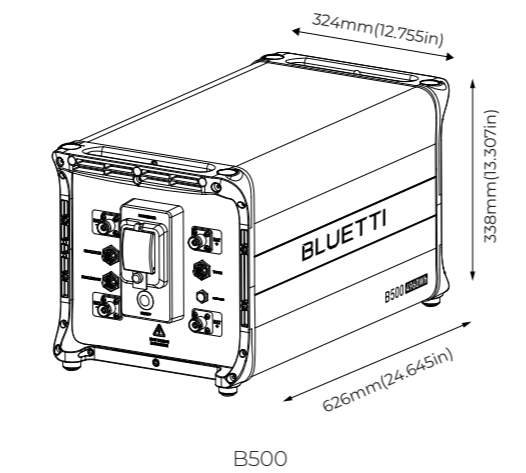
BLUETTI EP600

Quick Guide

1. Overview



1 PV input 1	5 LED Indicator	9 Bleed valve	13 USB Port
2 PV input 2	6 Signal Port 1	10 COM port	14 Load Port
3 DC switch	7 Signal Port 2	11 CT port	15 Grid Port
4 BAT- terminal	8 BAT+ terminal	12 DRMs Port	16 Grounding port



1 BAT- terminal 1	6 BAT+ terminal 1	11 Grounding port 1
2 Pack link-in	7 Inverter signal port (TO Pcs)	12 Grounding port 2
3 Pack link-out	8 Bleed valve 1	13 Bleed valve 2
4 BAT- terminal 2	9 BAT+ terminal 2	
5 Main switch	10 Power button	

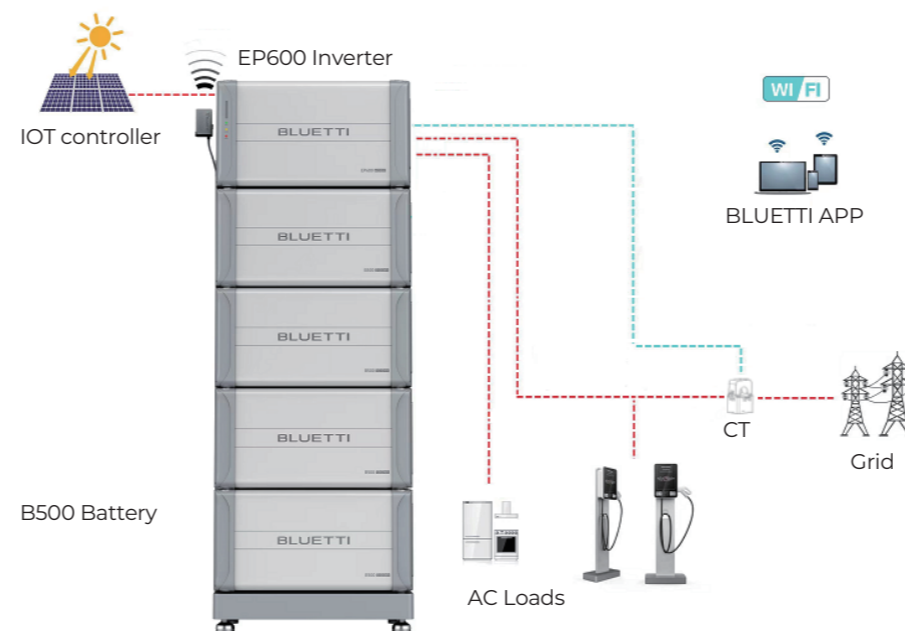
2. Installation

2.1 Overview

NOTE: The meter is for EP600 ESS with grid-tied PV inverter only, provided by BLUETTI for free.

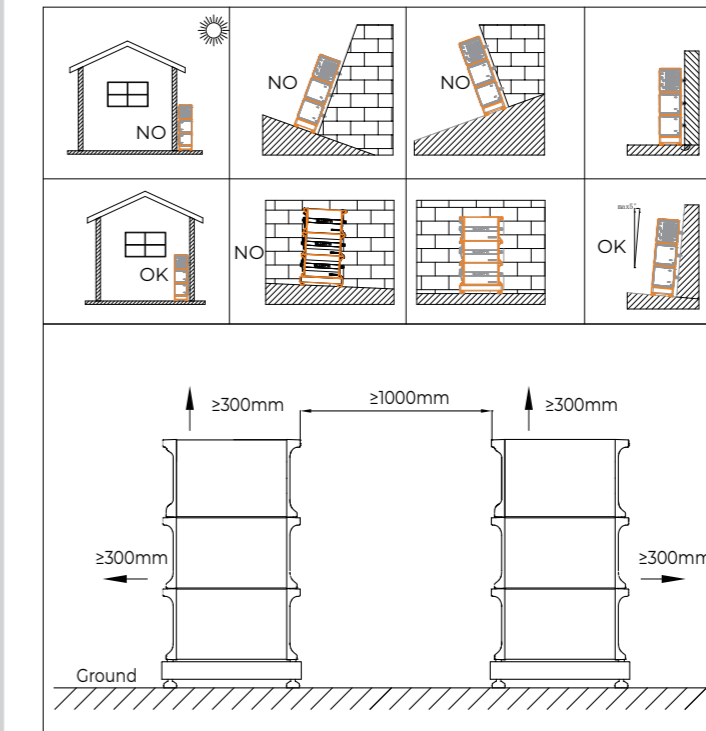
1. This document is only a quick guide for installation. For more details, please refer to the Installation Manual.

2. The warranty does not cover any damage to the equipment caused by violation of the guide.

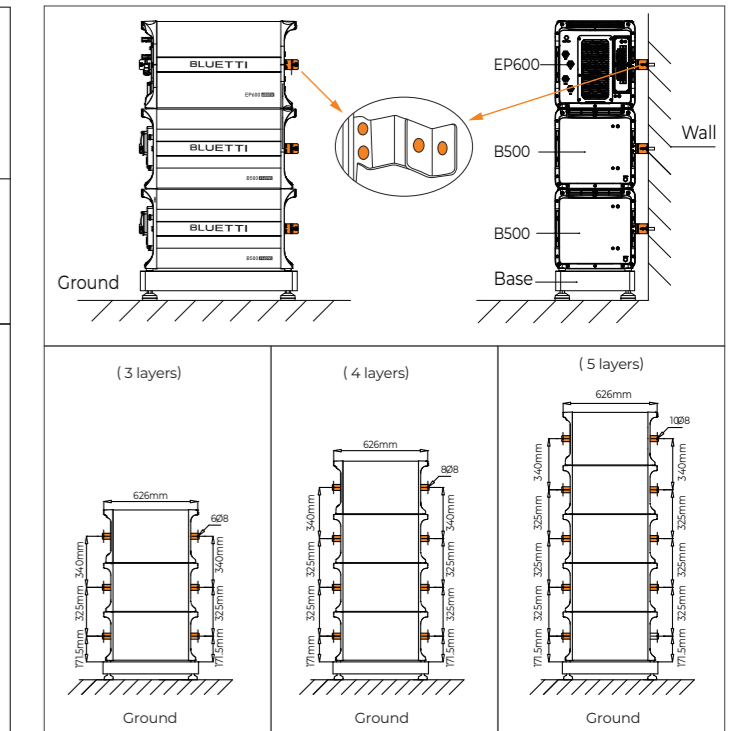


2. Installation

2.2 Installation requirements

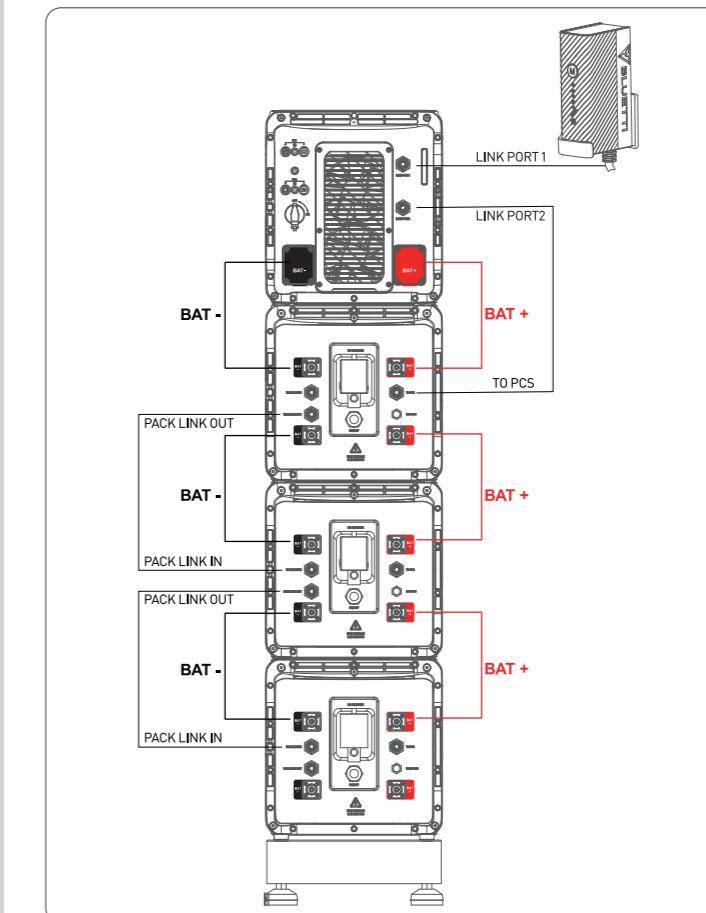


2.3 Wall mounting

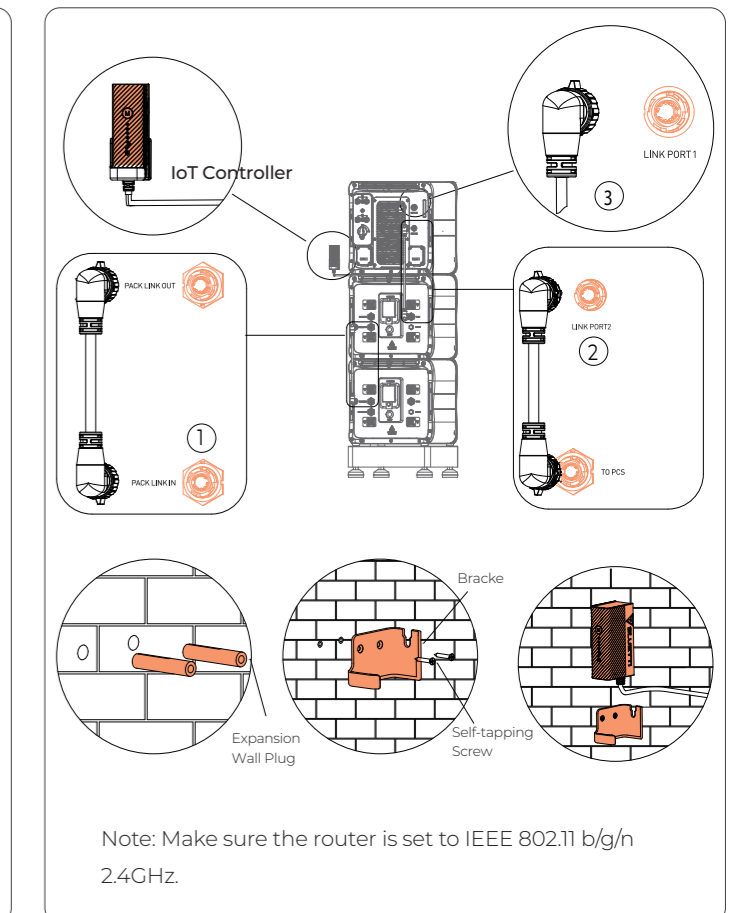


3. Electrical connection

3.1 Overview

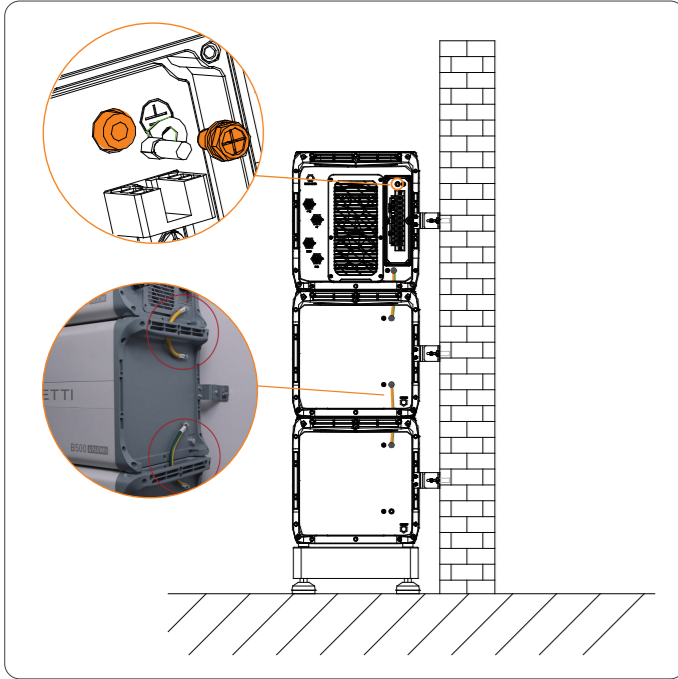


3.2 Connect the communication cable

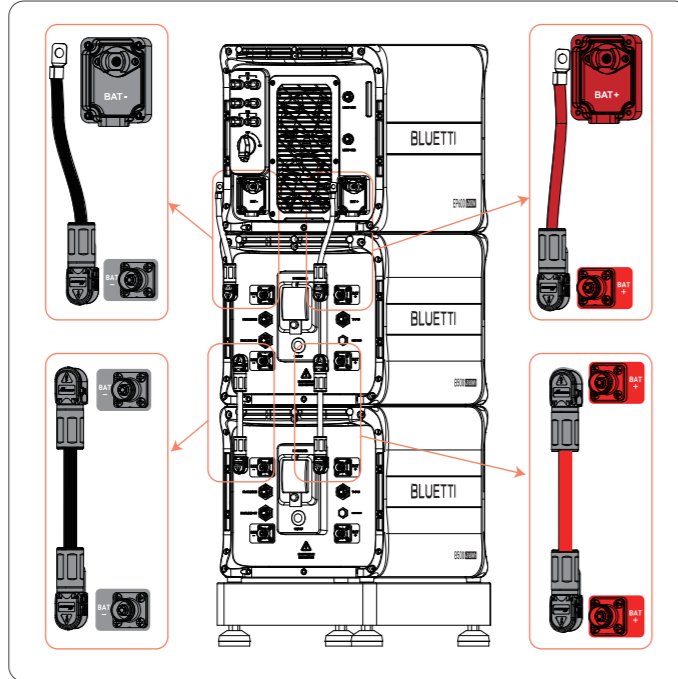


3. Electrical connection

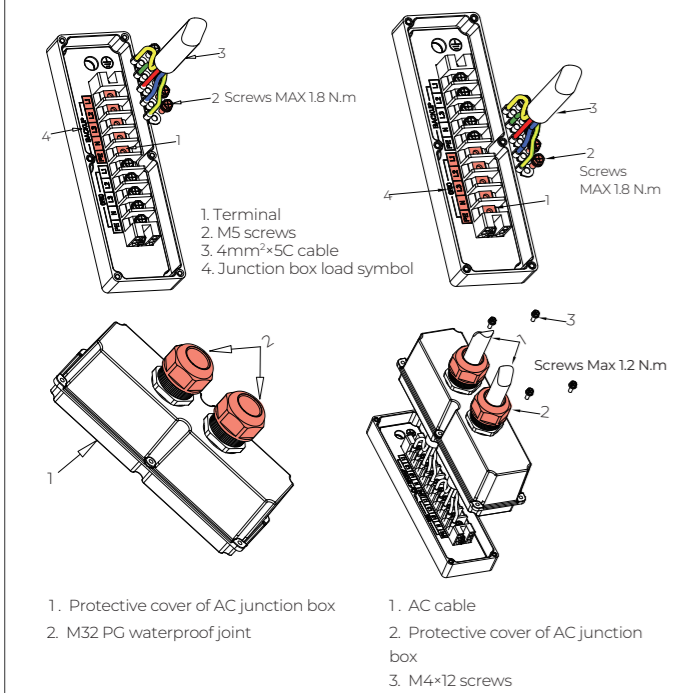
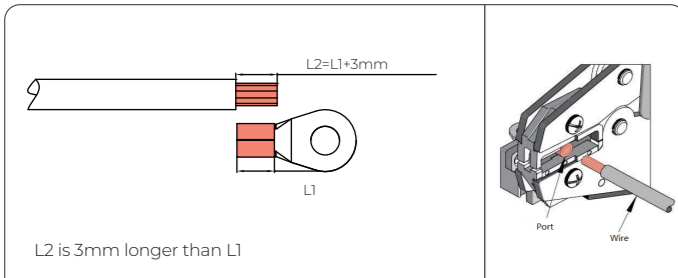
3.3 Connect the Grounding Cables



3.5 Connect the battery power cables

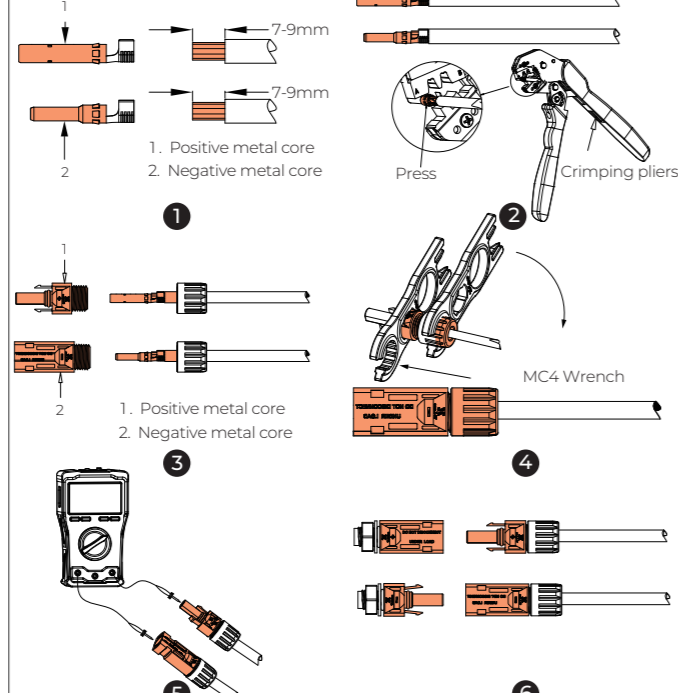
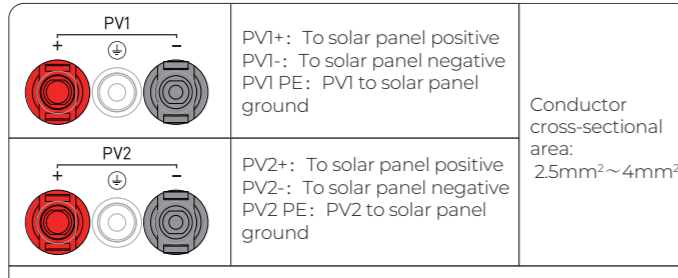


3.4 Connect the GRID and BACKUP cables



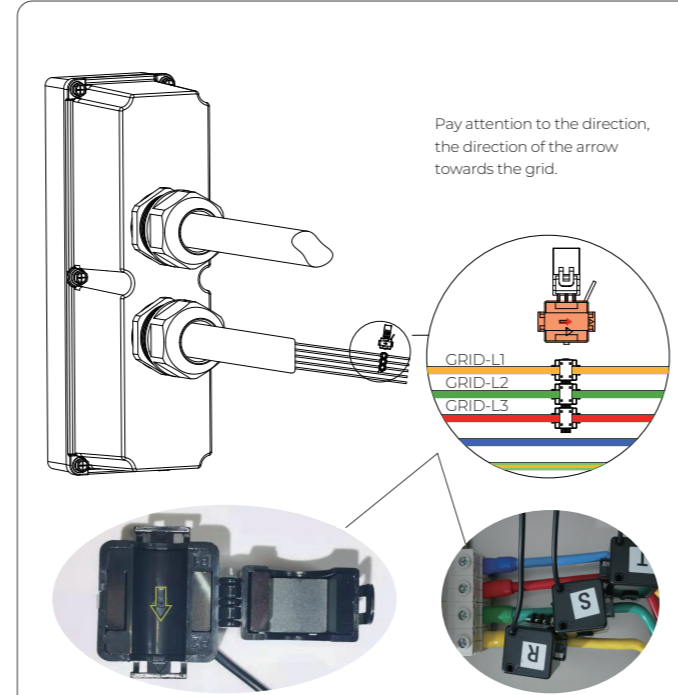
NOTE: It is forbidden to connect the grid cables to the BACKUP interface of EP600.

3.6 Connect PV cables



NOTE: Please check the open circuit voltage of PV arrays, which should be less than 500V.

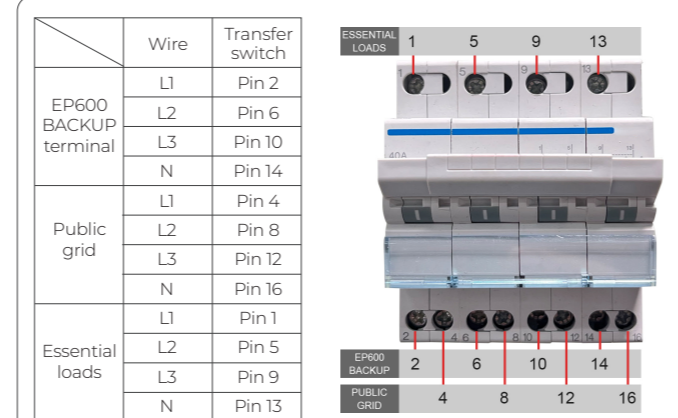
3.7 Attach the CT



NOTE:

1. The arrow inside the CT points to the grid.
2. Phase sequence: L1 to R, L2 to S, L3 to T.
3. The CT should be tied to the L1, L2 and L3 cables of the main circuit breaker of the grid.

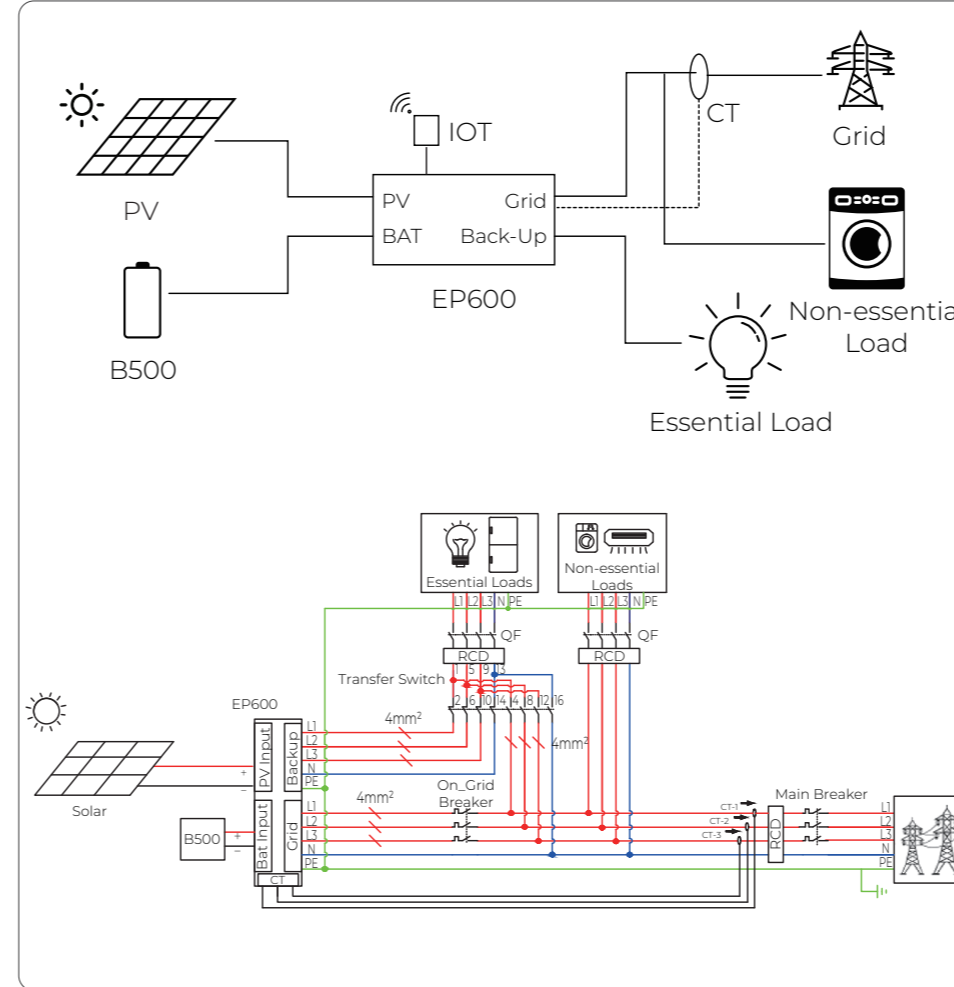
3.8 Install the transfer switch



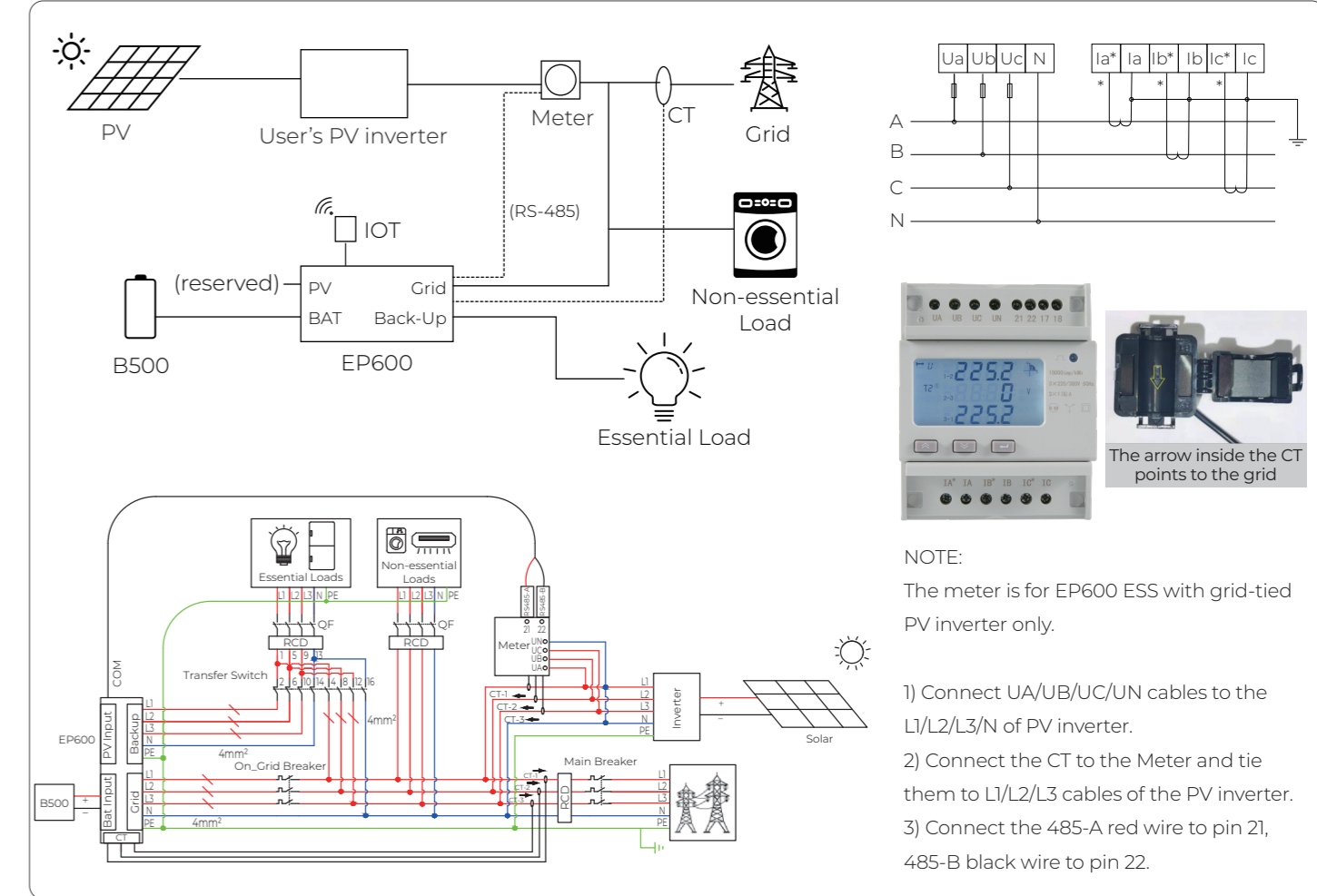
NOTE:

1. The neutral cable from the BACKUP terminal of EP600 cannot be connected to the neutral cable of the public grid.
2. Connect the L1/L2/L3/N wires from EP600 BACKUP terminal and public grid to the input side of the transfer switch, and the output side to the essential loads.
3. If the grid is stable, turn to "II" to use the public grid to power the loads; otherwise turn to "I" to use EP600 UPS mode to avoid the inconvenience caused by power outage.
4. If EP600 ESS fails, turn to "II" and contact BLUETTI Customer Support.

3.9 Electrical connection mode 1: DC coupling



3.10 Electrical connection mode 2: AC coupling



NOTE:
The meter is for EP600 ESS with grid-tied PV inverter only.

- 1) Connect UA/UB/UC/UN cables to the L1/L2/L3/N of PV inverter.
- 2) Connect the CT to the Meter and tie them to L1/L2/L3 cables of the PV inverter.
- 3) Connect the 485-A red wire to pin 21, 485-B black wire to pin 22.

4. Power on

- Step 1 Switch on the DC circuit breakers on EP600.
- Step 2 Switch on the DC circuit breakers on B500 battery packs. Press and hold the power button of any battery pack for about 3 seconds, and the green indicator on the button will light up.
- Step 3 About 40 seconds later, the indicator on EP600 will stay green.
- Step 4 Switch on the AC circuit breakers connected to the EP600 GRID terminal.
- Step 5 Power on the system via BLUETTI app.
- Step 6 Check the voltage of BACKUP terminal.
- Step 7 Switch on the AC circuit breakers connected to the EP600 load port.
- Step 8 Check the EP600 system operation in the App.



States	Run Green light	Alarm Orange light	Fault Red light
No alarm and No fault	Always ON	/	/
Alarm without fault	Always ON	Always ON	/
No alarm with fault	/	/	Always ON
Alarm and fault	/	Always ON	Always ON

5. Service and contact

EU REP
Company: POWEROAK GmbH
Address: Lise-Meitner-Str. 14 28816 Stuhr Germany
Mail: logi@bluetti.de

sale-eu@bluettipower.com
sale-uk@bluettipower.com

UK REP
Company: POWEROAK ENERGY UK CO.,LTD
Address: Unit 2 NorthGate, Bolsover Business Park, Woodhouse Lane Chesterfield England, S44 6BD
Mail: poweroak.eu@bluetti.com

@bluetti_official
@bluettiinc
@bluetti_inc