



BLUETTI EP600 Power Station with 6,000 W output Demonstrated User Guide

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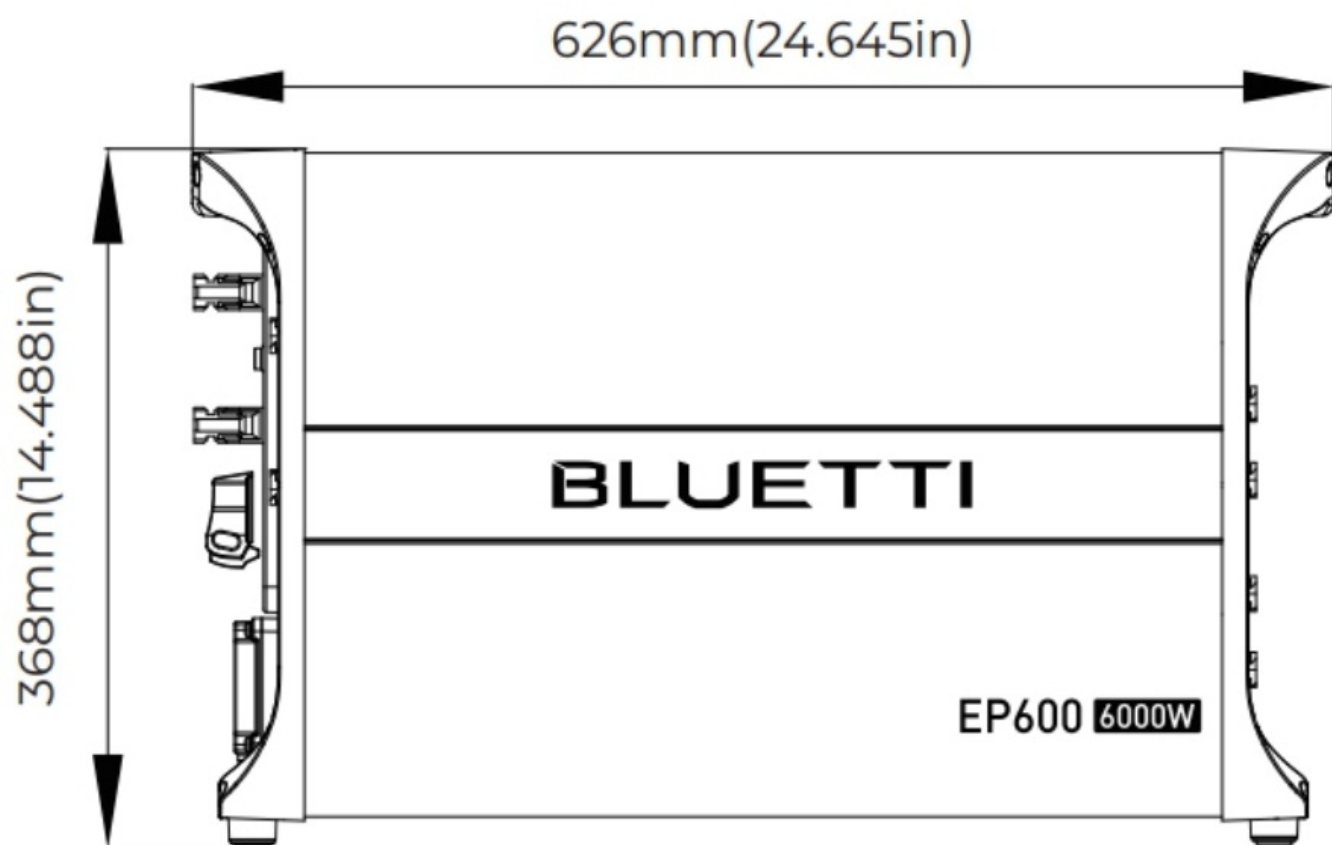


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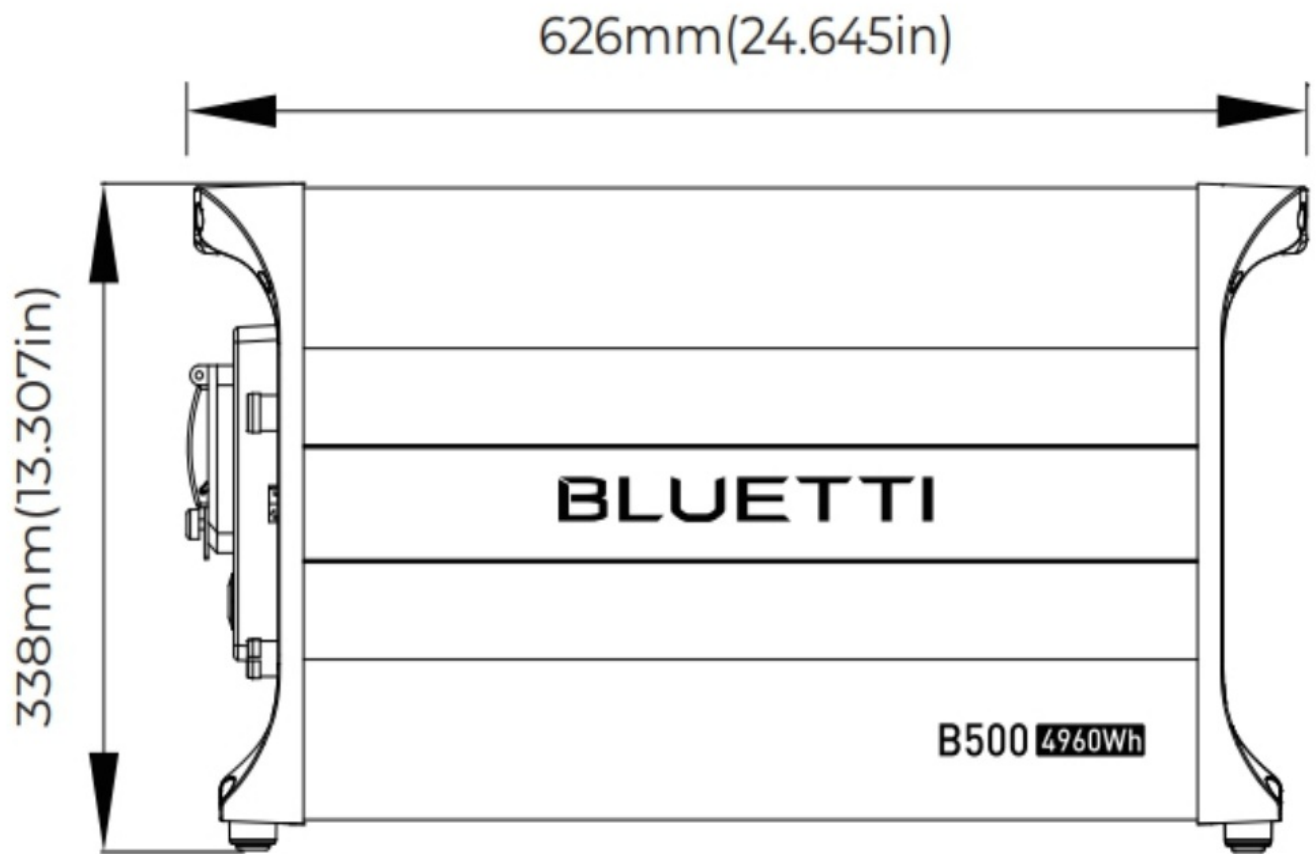
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Dimension

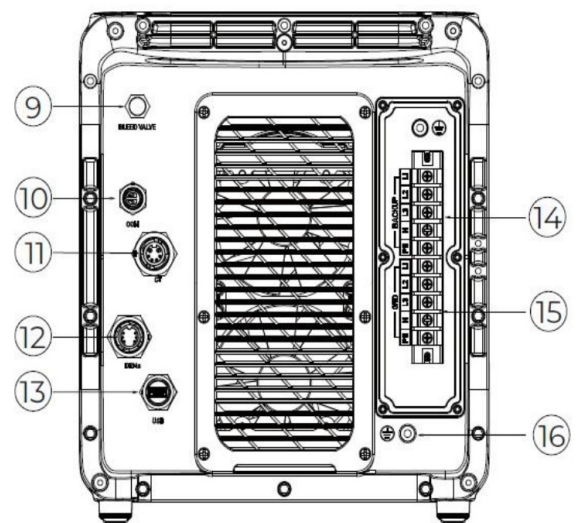
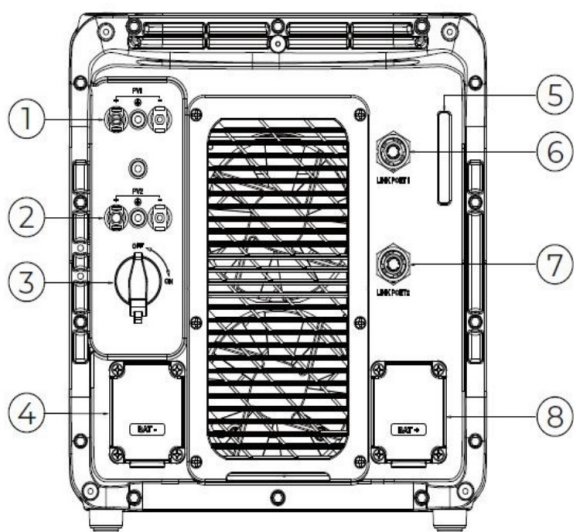
EP600



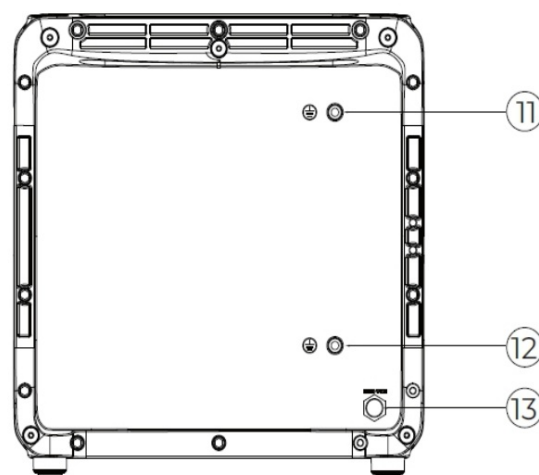
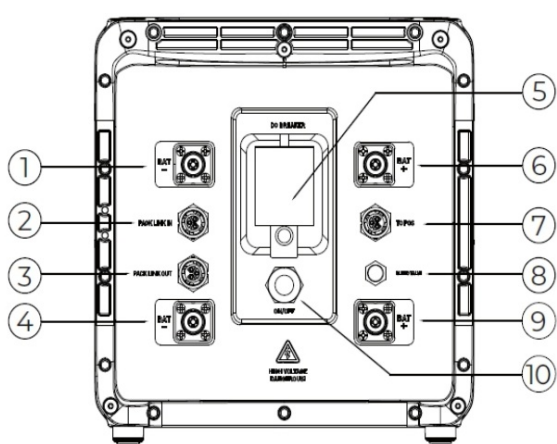
B500



Overview



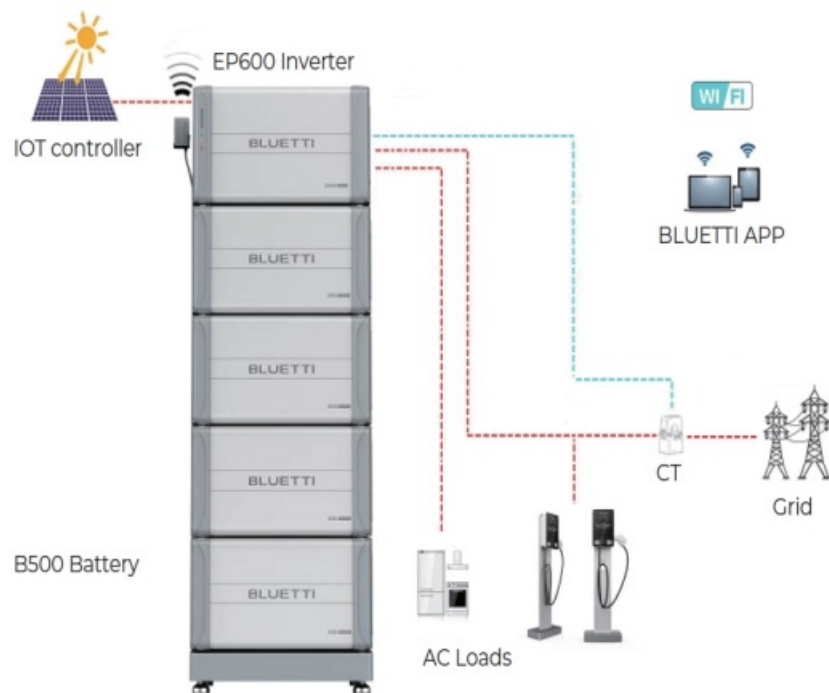
1	PV input 1	5	LED Indicator	9	Waterproof and ventilate v alve	13	USB Port
2	PV input 2	6	Signal Port 1	10	COM Communicate Port	14	Load Port
3	DC ON/OFF	7	Signal Port 2	11	CT Input Port	15	Grid Port
4	Battery	8	Battery	12	DRMs Por	16	Ground



1	Negative output cable port	6	Positive output cable	11	Ground wire
2	Signal port(Upper) connec tion cable port (Upper)	7	Inverter signal cable port	12	Ground wire port(Bottom)
3	Signal cable port (Bottom)	8	Waterproof and breathable valve	13	Waterproof and breathable valve
4	Negative output cable port	9	Positive output cable port (bottom)		
5	Manual mechanical switch	10	ON/OFF Switch		

Installation

overview

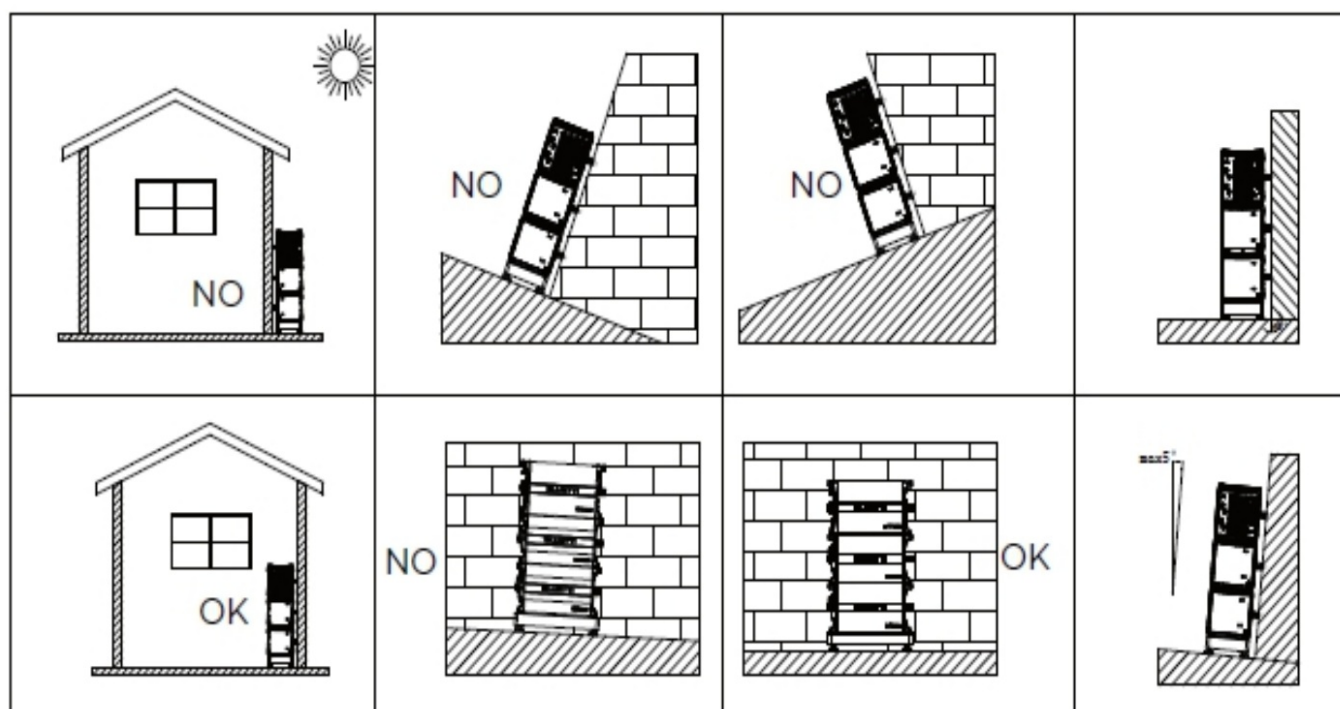


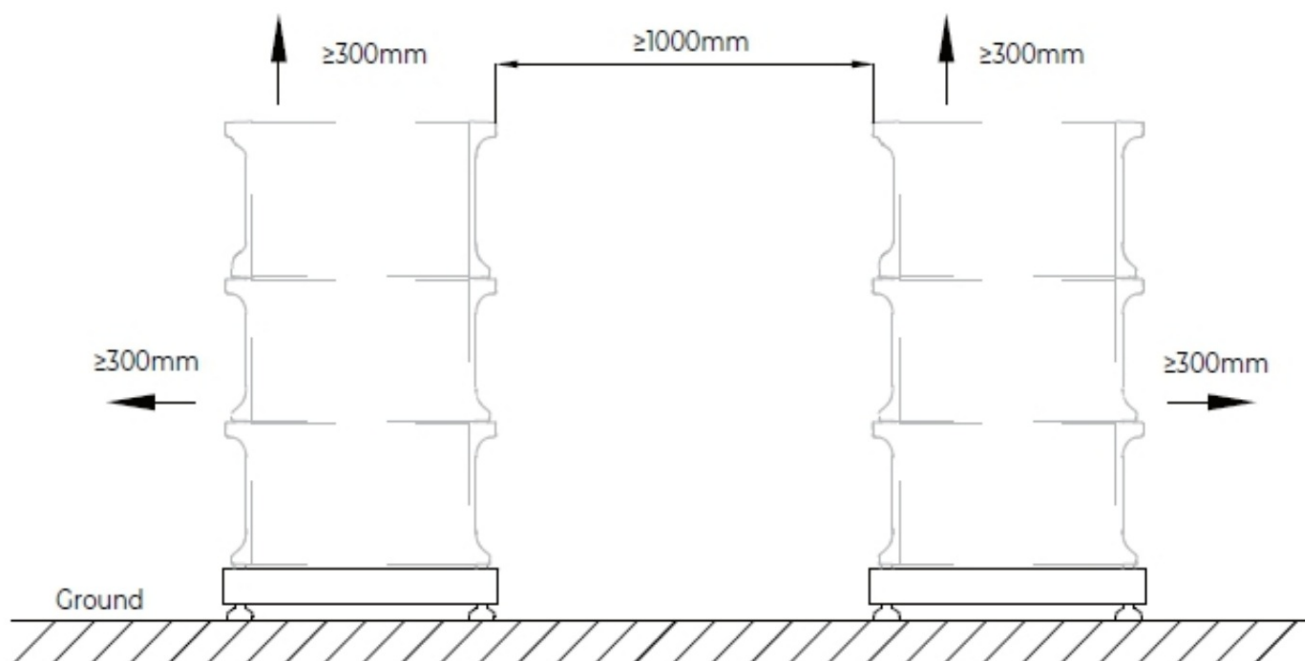
NOTE: The Meter is only used for the situation of installed three phase solar PV inverters, it is provided By BLUETTI and it is free.

NOTES:

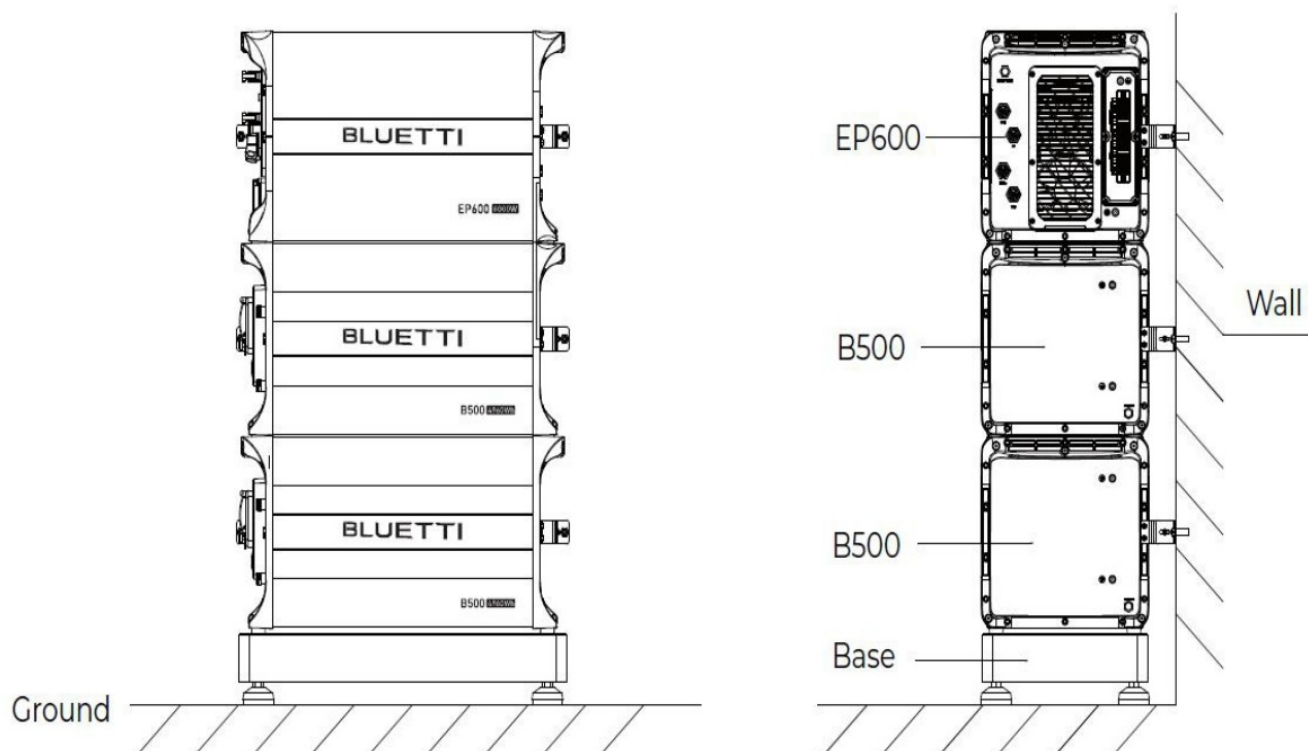
1. This document is for quick guidance installation only. For details, please refer to the installation and User Manual.
2. Machine damage caused by failure to follow the content is not covered by the warranty.

Installation requirements

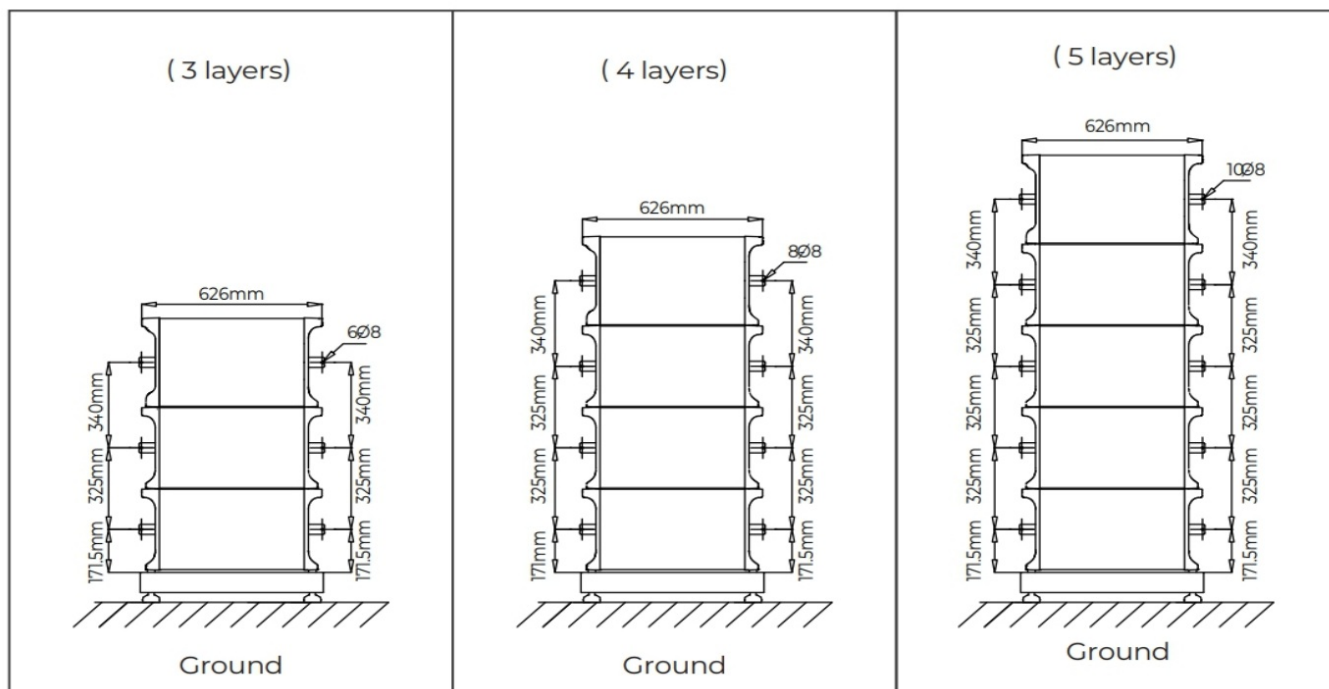




Wall mounting

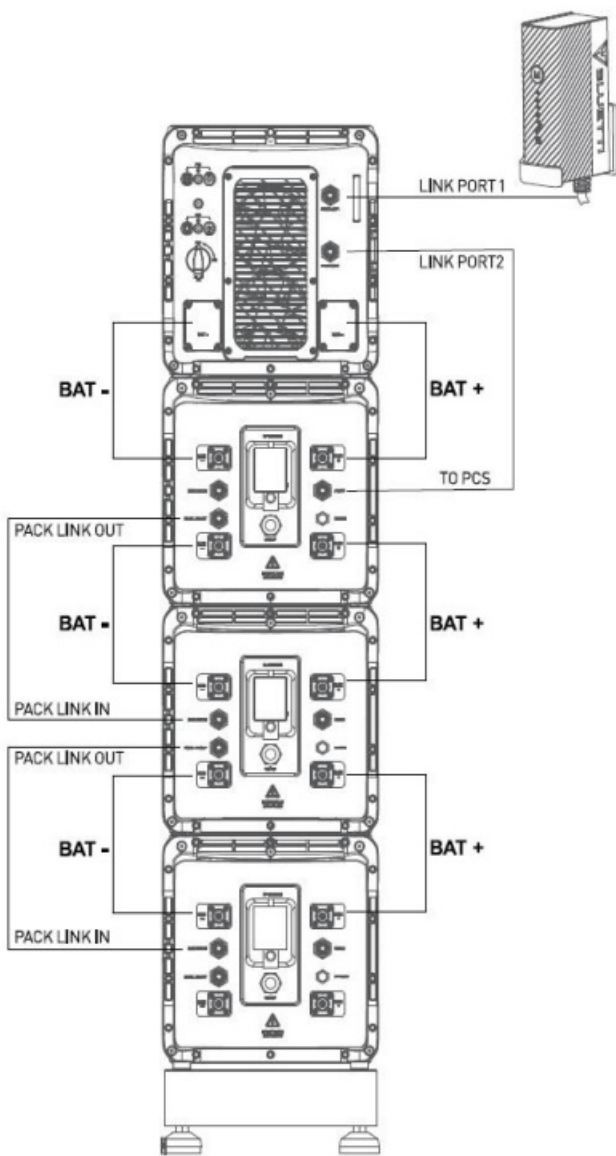


Size of drilling the wall mounting holes (unit: mm).

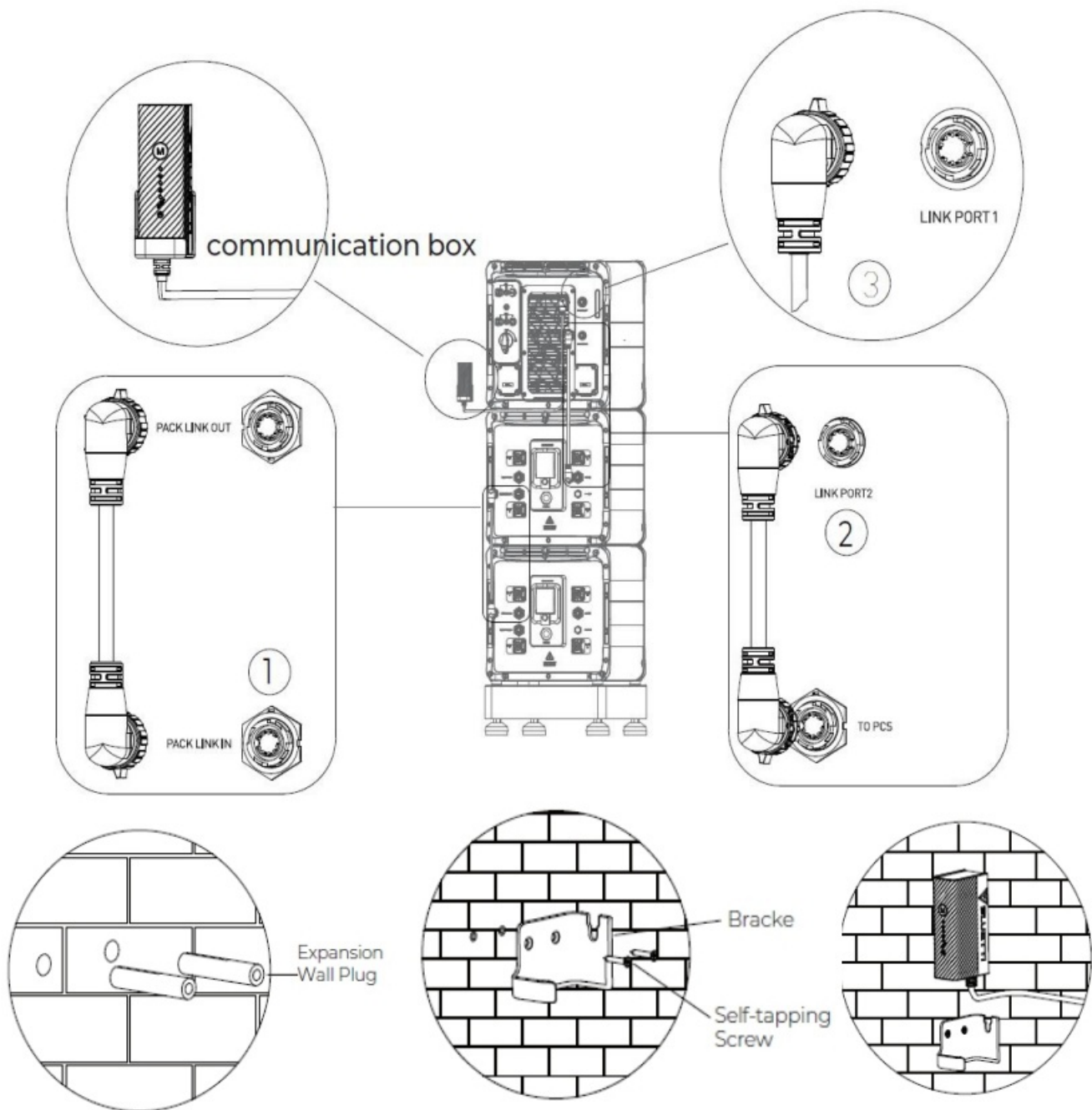


Connecting cables

overview

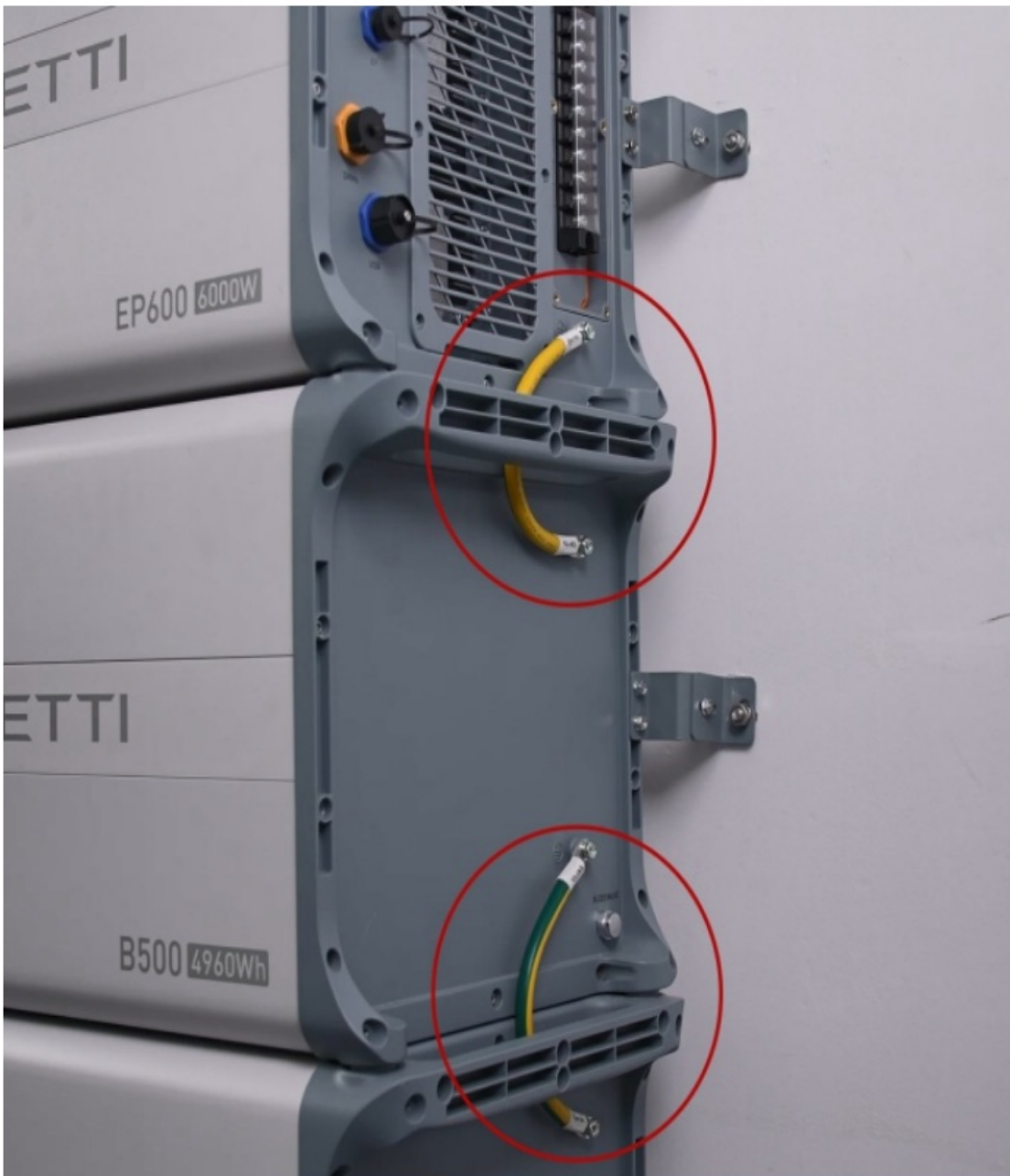


Connect the communication cable

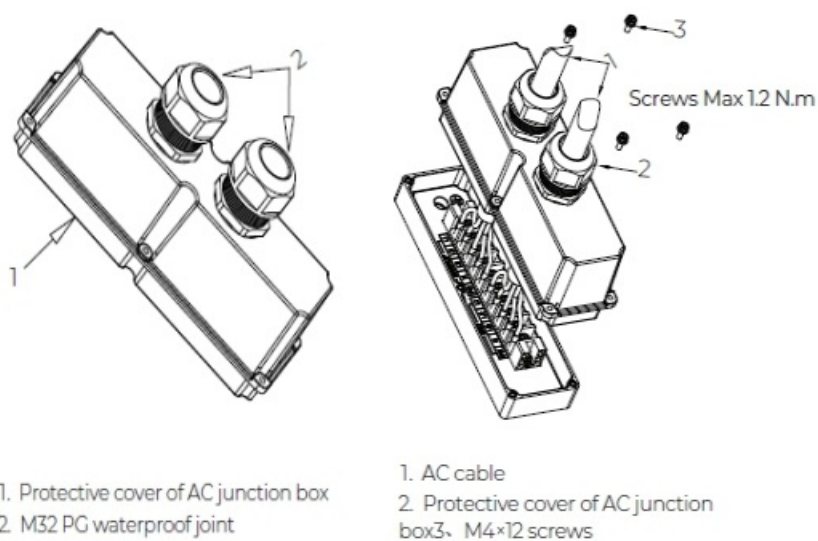
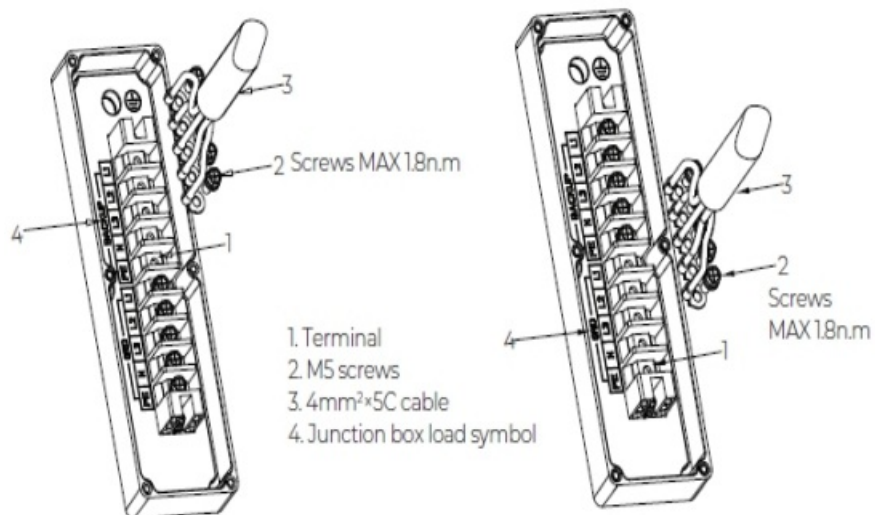


Note: Make sure the router used for EP600applies to WiFi IEEE 802.11 b/g/n, 2.4GHz, please turn off the 5G option

Connect the Ground Cable

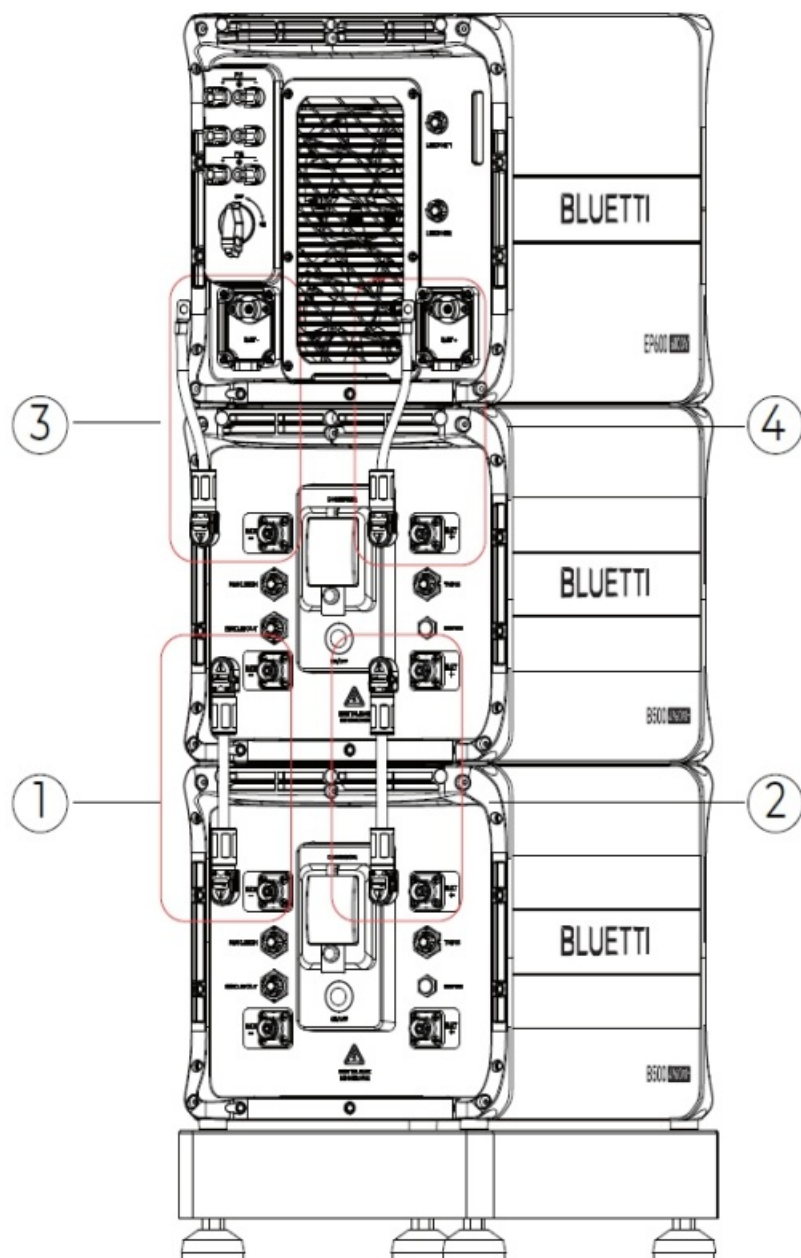


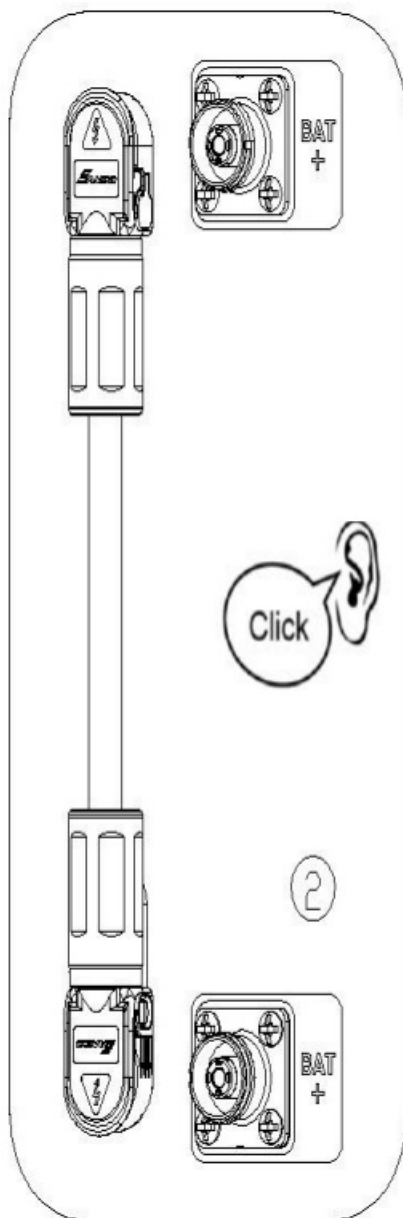
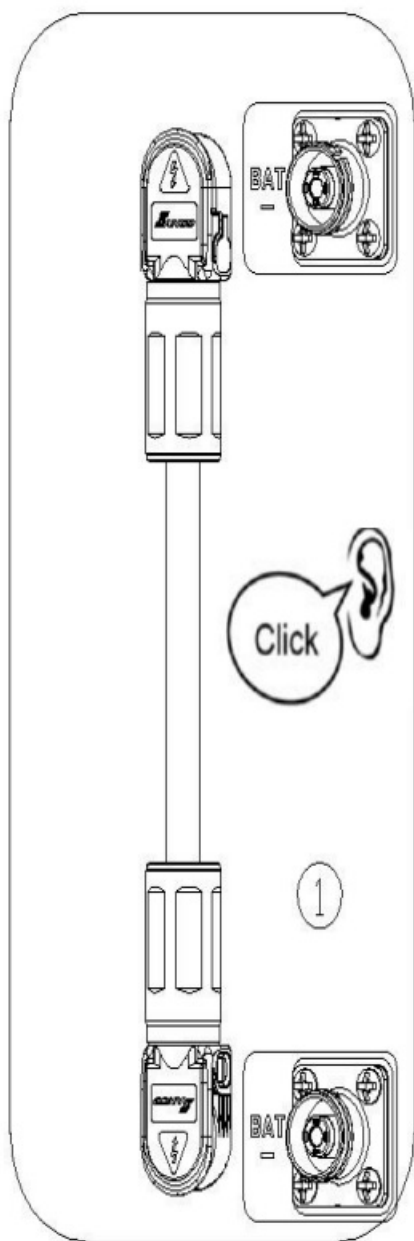
Connect the GRID and BACKUP Cable

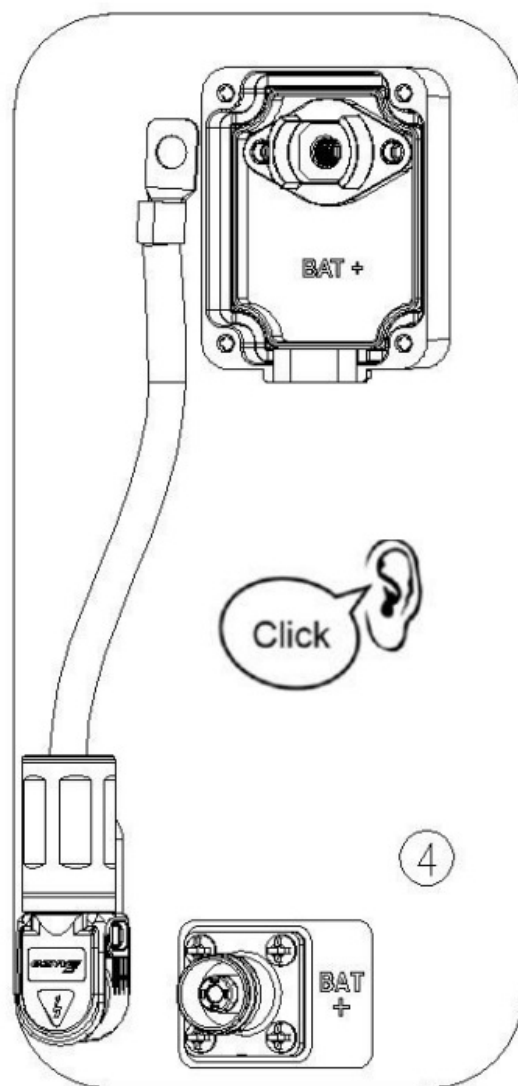
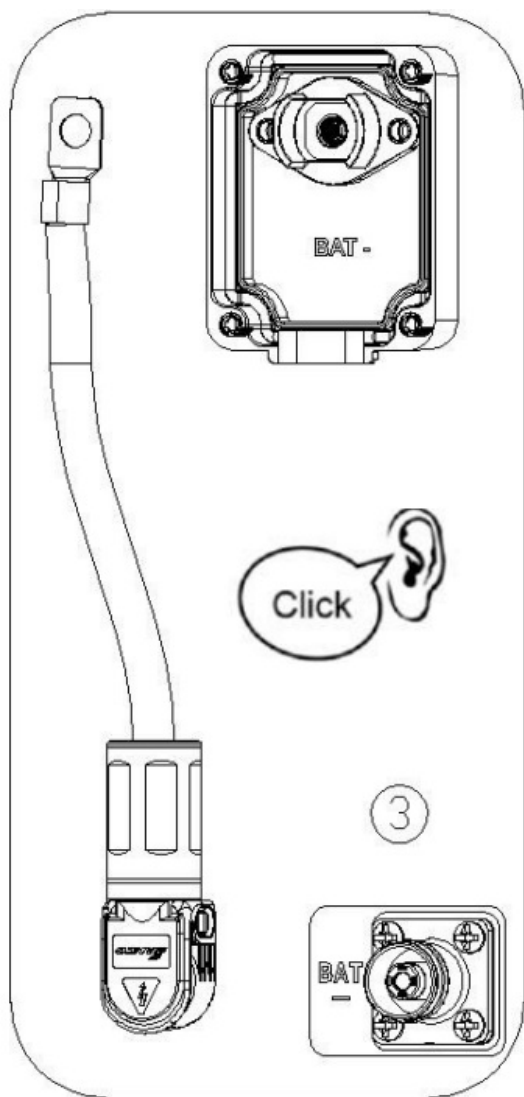


NOTE :It is forbidden to connect the grid cable to , it must be less than 500V. the BACKUP interface of EP600.

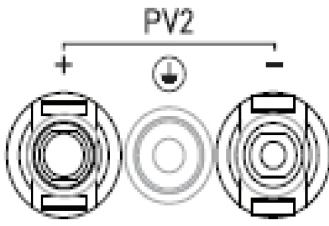
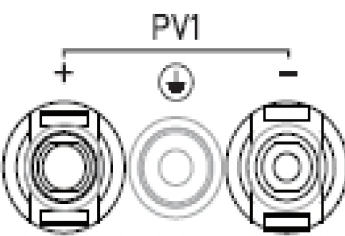
Connect the Batteries and EP600



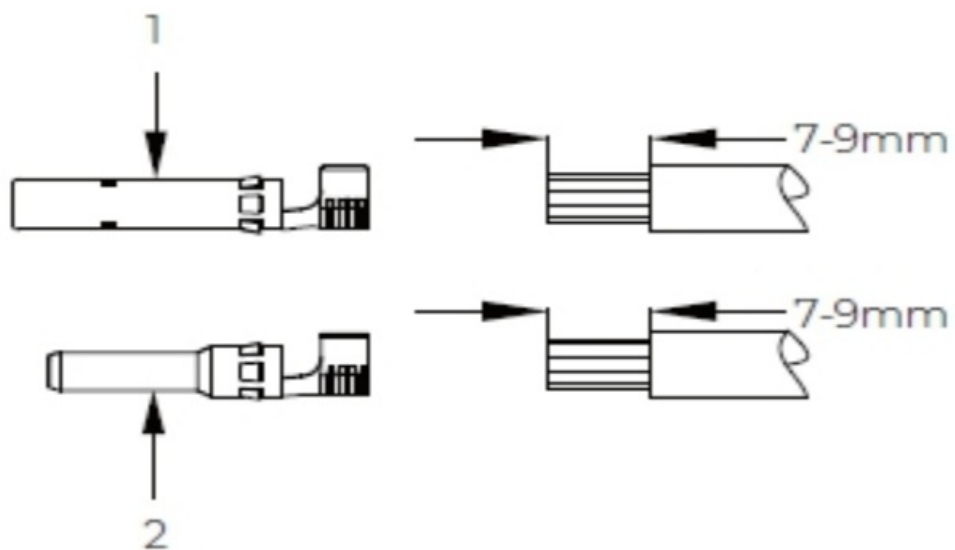




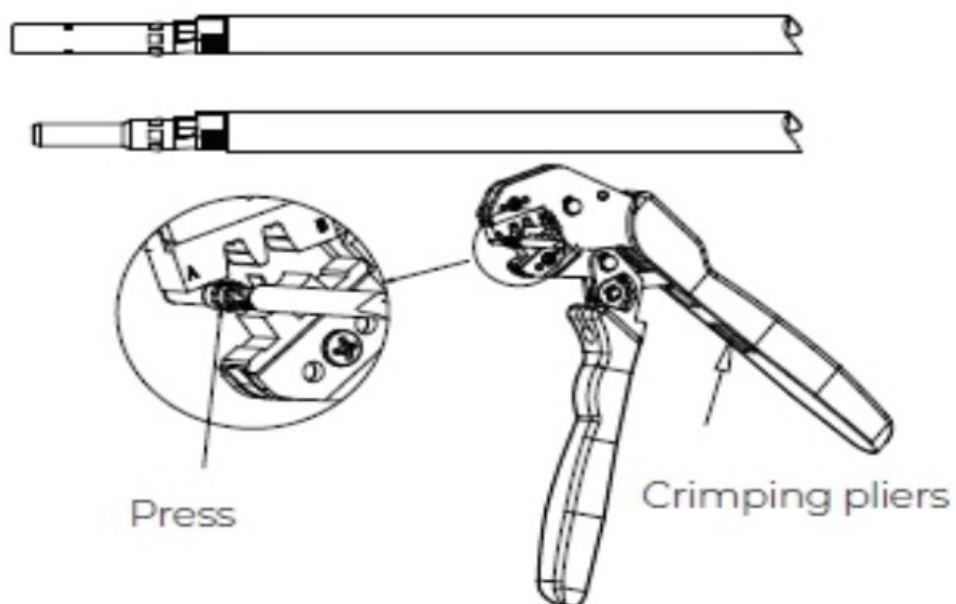
Connect PV cable

Port	Define	Cable pec.
	<p>PV1+ To solar panel positive PV1- To solar panel negative PV1 PE PV1 to solar panel ground</p>	<p>Conductor cross- sectional area 2.5mm² - 4mm²</p>
	<p>PV2+ To solar panel positive PV2- To solar panel negative PV2 PE PV2 to solar panel ground</p>	

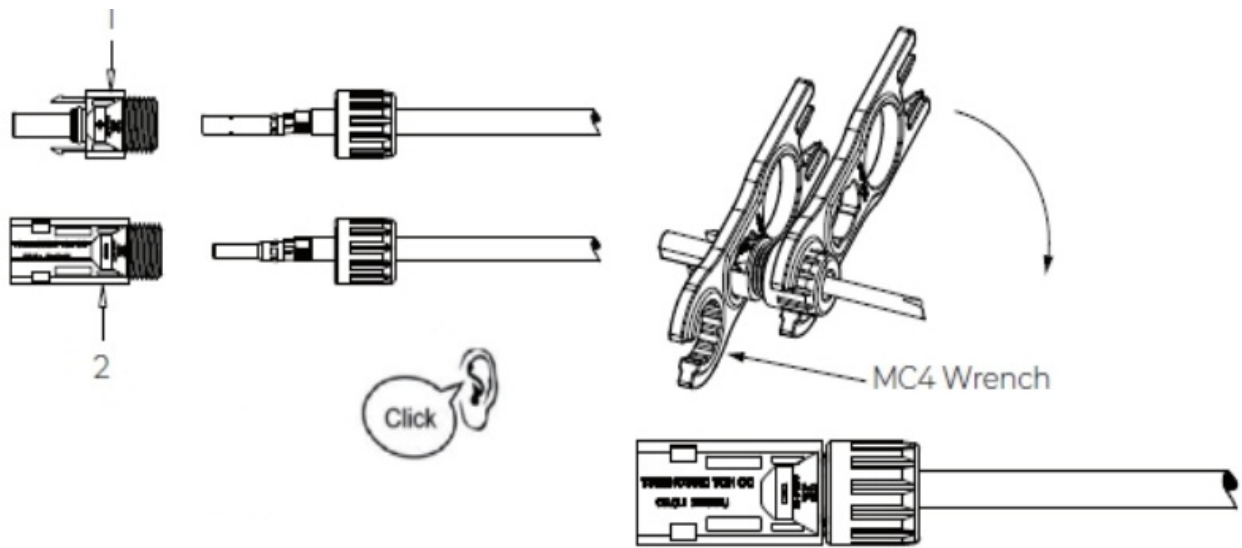
1. Positive metal core



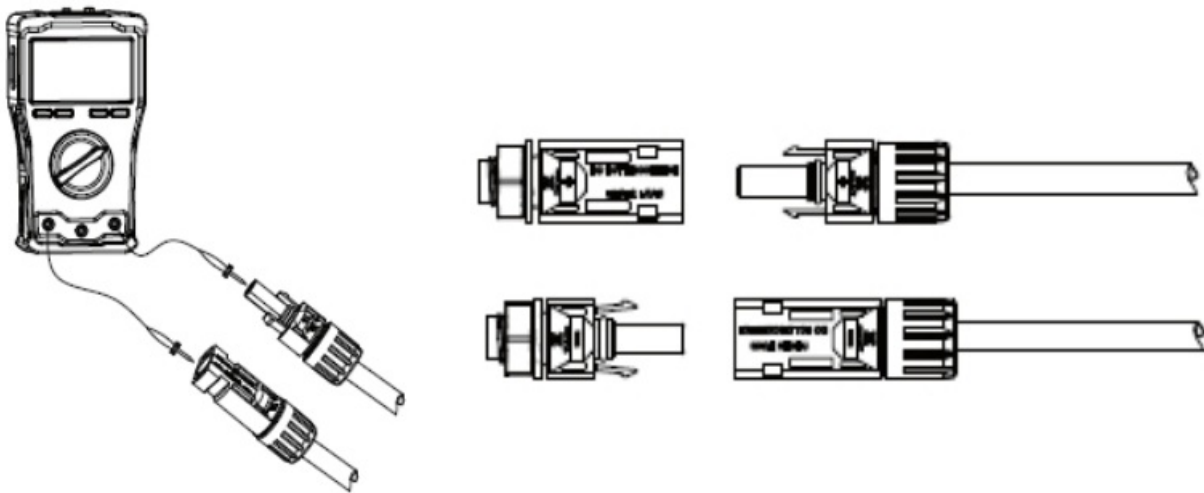
2. Negative metal core



1. Positive metal core

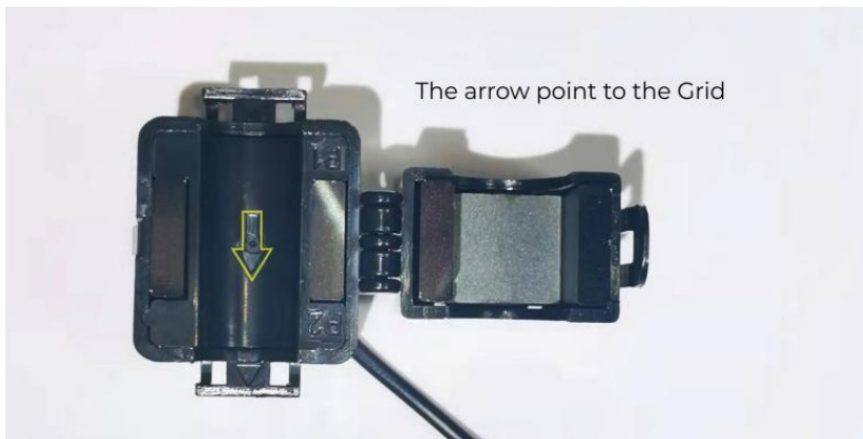
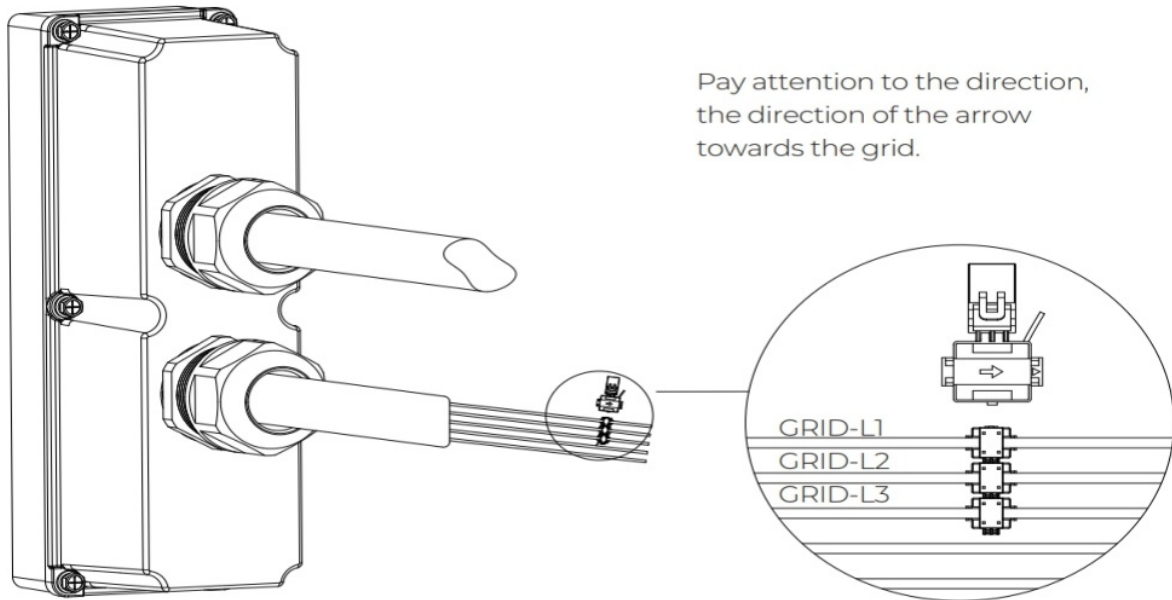


2. Negative metal core



NOTE: Please check the solar PV open circuit voltage it must be less than 500V.

Connection CT



NOTES:

1. Make sure the arrow inside the CT points to the grid.
2. Pay attention to the phase sequence when connect the CT: L1 to R, L2 to S, L3 to T
3. The CT connect to the EP600 must be installed onto the L1/L2/L3 cables of the residential main circuit breaker.

Connection Transfer Switch

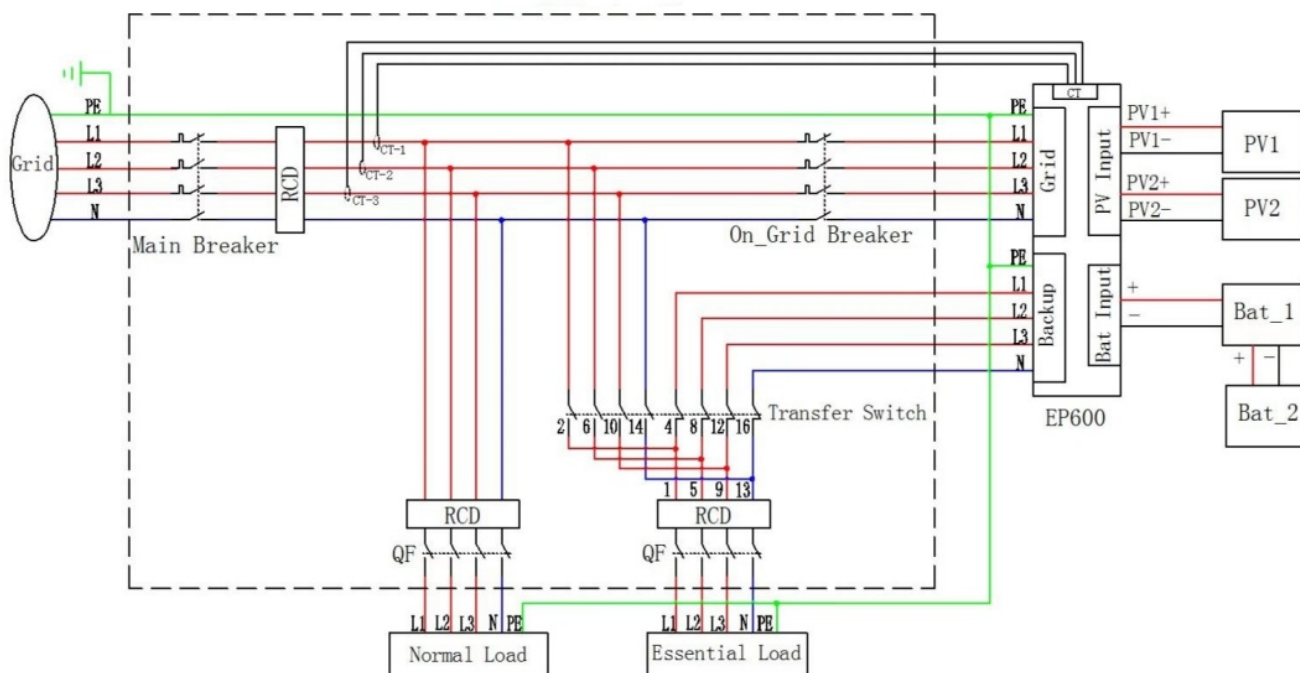
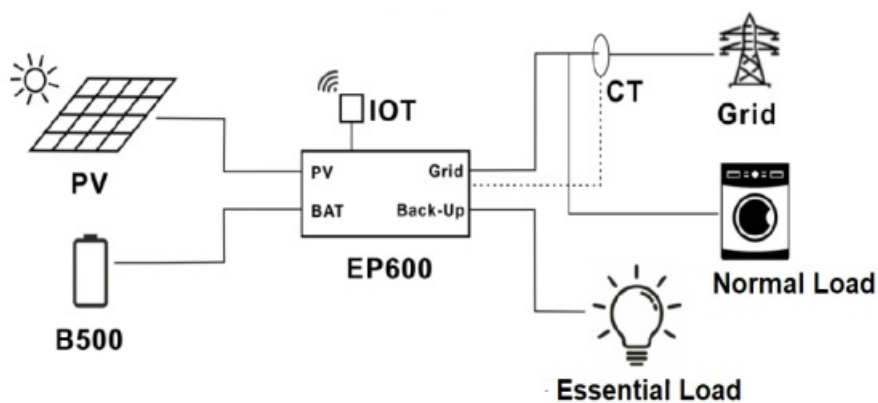


Transfer switch is necessary for building impartial residential backup system.

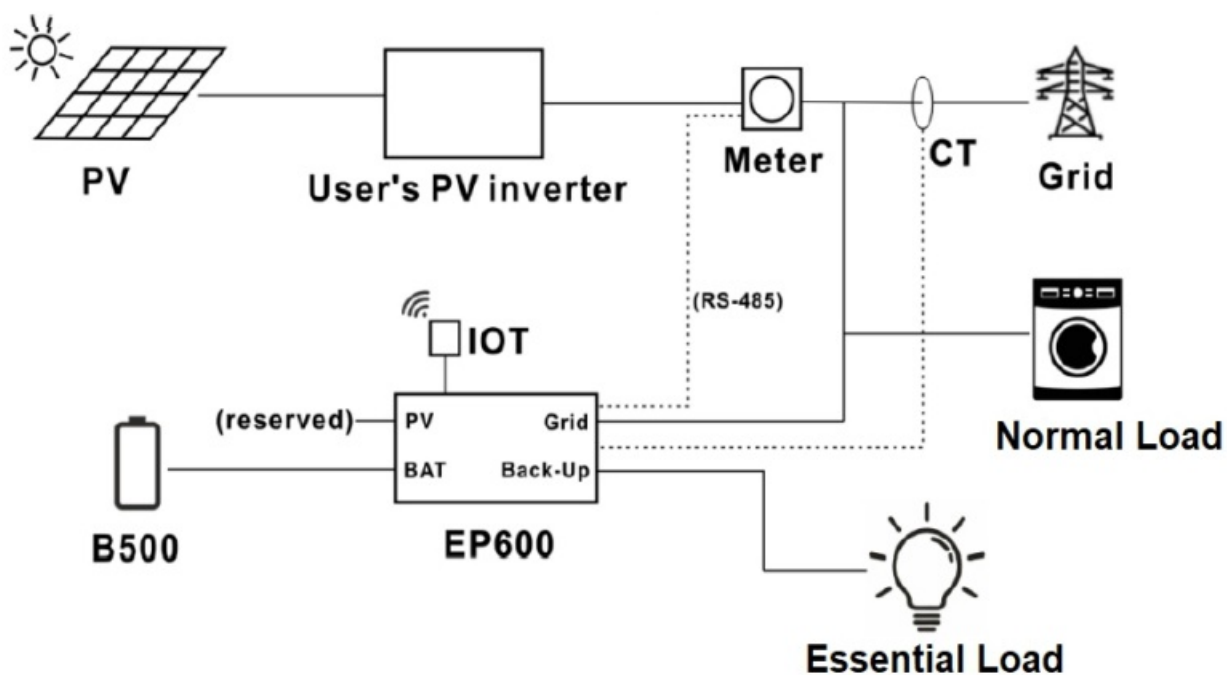
NOTES:

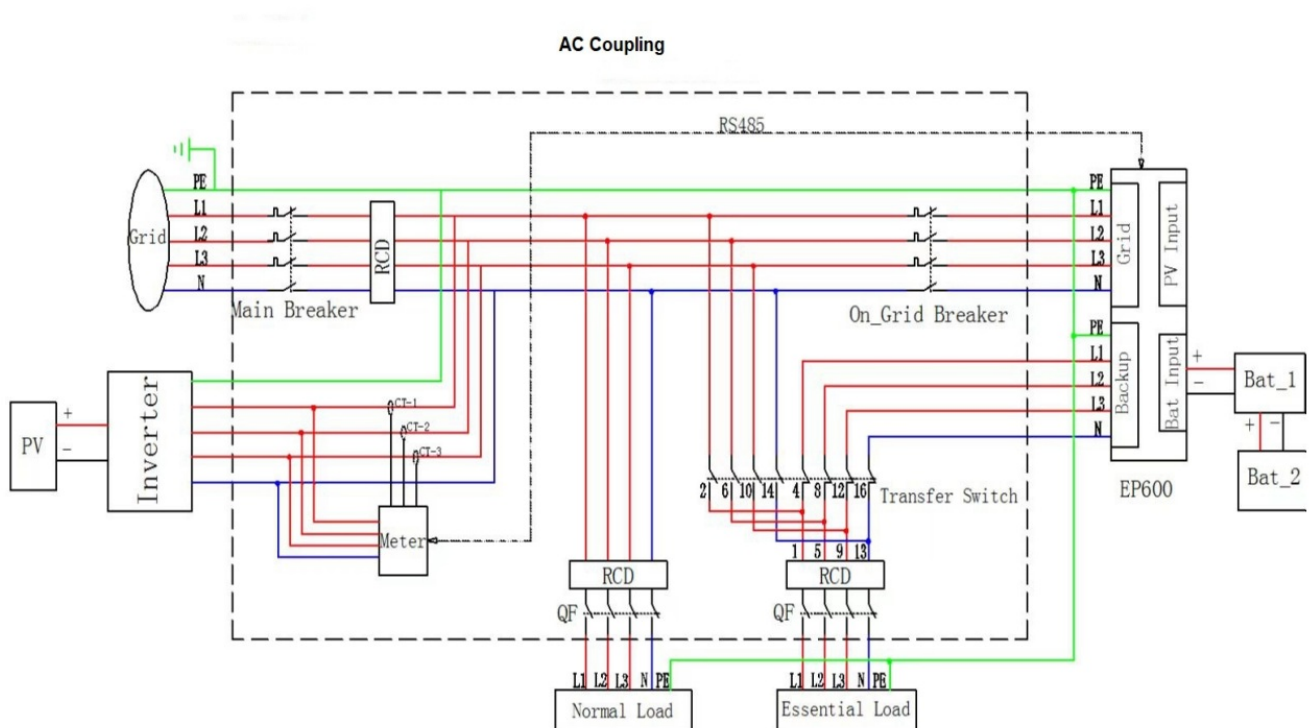
1. The neutral cable from the BACKUP interface of EP600 cannot be connected to the neutral cable of the public grid.
2. Connect the L1/L2/L3/N wires from EP600 BACKUP to the pin 2(L1), pin 6(L2), pin 10(L3), pin 14(N) of transfer switch;
3. Connect the L1/L2/L3/N wires from public grid to the pin 4(L1), pin 8(L2), pin 12(L3), pin 16(N) of transfer switch;
4. Move away the wires of the circuit breaker connected to essential appliances, then connect pin 1(L1), pin 5(L2), pin 9(L3), pin 13(N) of transfer switch.

Electrical connection modes 1: DC coupling



Electrical connection modes 2: AC coupling





NOTE:

The Meter is only applicable to the case where the PV grid-tied inverters have been installed.

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

Power on

Step1: Switch on the DC circuit breaker oneachB500battery pack.

Step2: Press and hold the power button of any battery pack for 3 seconds and the green indicator on thebuttonlightsup

Step3: Wait for 40 seconds until the green indicator of the inverter is always on.

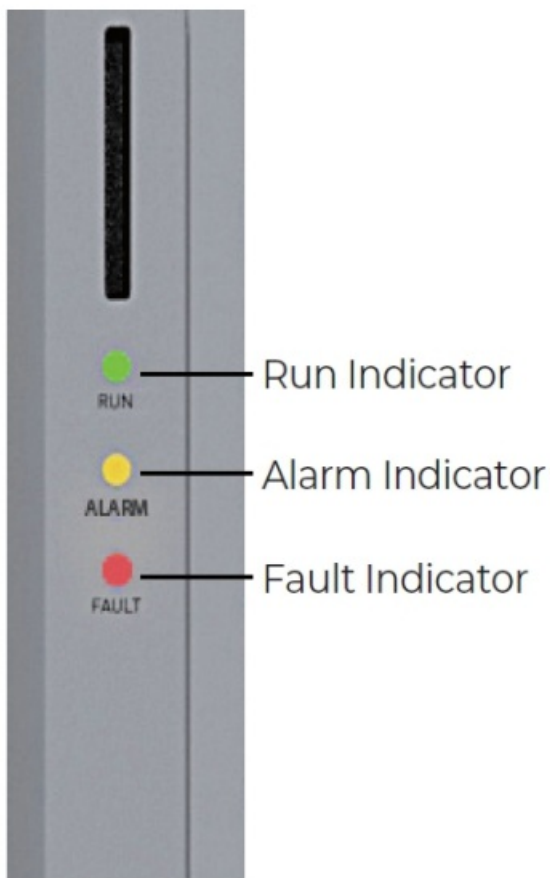
Step4: When connecting to the sloar panel ,pleases witch on the DC circuit breakers on EP600.

Step5: Switch on the AC circuit breakers connectedtotheEP600 grid port.

Step6: Power on the system via the BLUETTI app. For details, please refer to Setting section on App Manual.

Step7: Check the voltage of BACKUP.

Step8: Switch on the AC circuit breakers connectedtotheEP600 load port. END, Then you can check the EP600 system status through 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

Service and contact



Company: POWEROAK GmbH Address: Lindwurmstr.114, 80337 Munich Germany

Mail: logi@bluetti.de

After-sales address in EU Lies-Meitner-Strasse 14, 28816 Suter, Germany



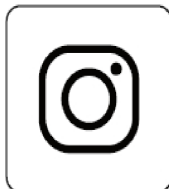
sale-eu@bluettipower.com sale-uk@bluettipower.com



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Documents / Resources



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