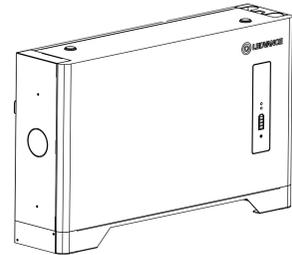
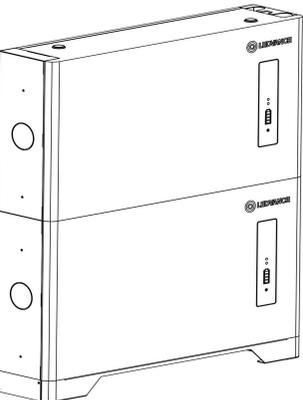
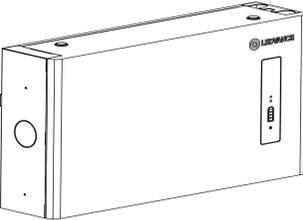


- Place the base on the horizontal floor against the wall, Take out the base and battery module . Place the base on hard floor, lift the battery module on top of the base using a movable handle tool.



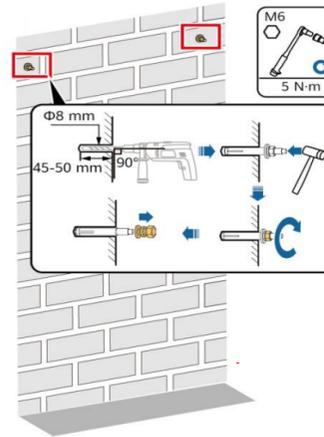
- Stack the corresponding connection ports at the bottom of the battery module. The number of stackable battery modules for a single battery system ranges from 2 to 4.



⚠ CAUTION!

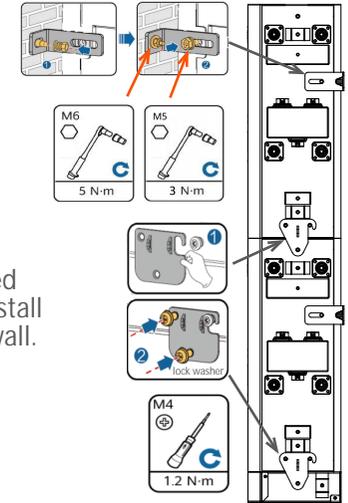
- Before installation, please make sure to wear the safety shoes to prevent foot injury.
- The weight of a battery module is over 30kg. please use the movable tools with two workers to complete stacking work.
- Do not use the movable handle tool to carry the battery module when the distance is >10m.
- Before using the transport tools, check whether they are reliable.
- The installation humidity ranges from 5% to 90%.

- mark the positions offixing holes, drill two holes in the wall with a depth of 45-50mm using the electrical drill, install expansion bolts in the holes and secure battery module to the wall with a proper hammer.

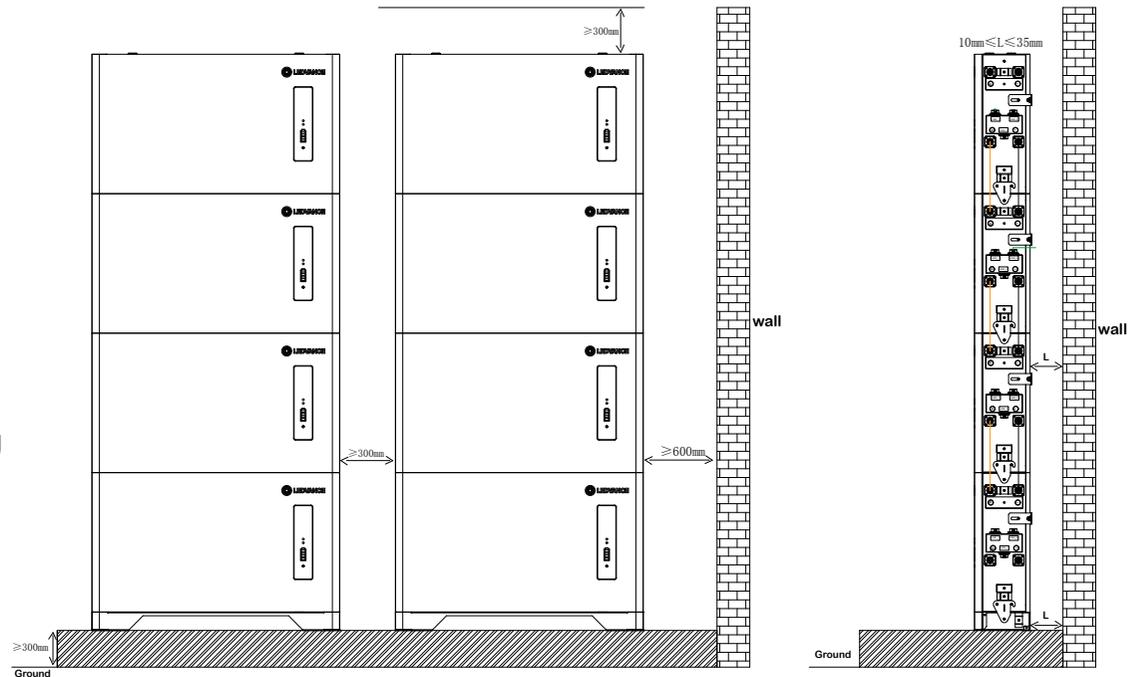


Selection of installation sit

- The installation location is recommended to meet the size requirements of the figure below:



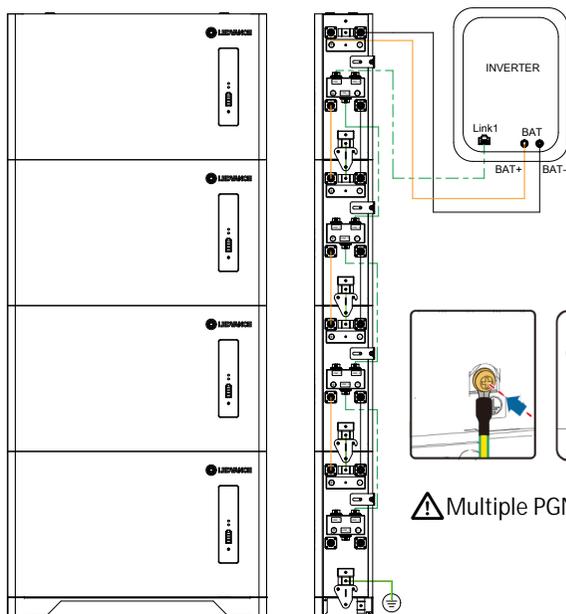
- Connect the stacked battery, and then install the battery on the wall.



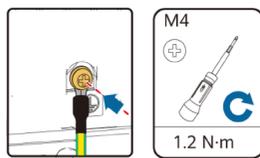
Note:

- Before the battery is installed, please switch off the Switch. Note: Wear gloves, goggles and safety shoes before installation.

Single Battery System

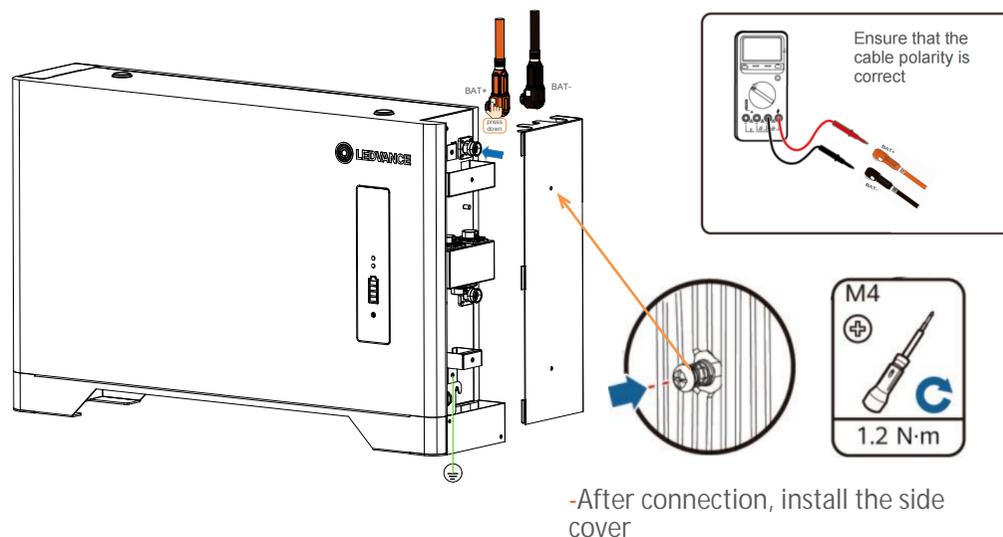


Note:
 - Highly recommended test the temperature for dc connector by Infrared detector during the sunny day , after a week of operation. Make sure the DC connectors are securely connected.



⚠ Multiple PGND point is prohibite !

Connect the DC cables



-After connection, install the side cover

Batteries in parallel

Note:

- The length of the power cables between the combiner box and the inverter.
- If the combiner box is not used, the parallel connection device should meet the following requirements.
 - No less than IP 55 for the outdoor use.
 - Maximum Operating Voltage, 60V DC.
 - Maximum Output Current, 100A DC.
 - Breaking Current, 50A DC.
- The total power cable length between each battery cluster and the inverter should be less than 10 meters.

Run Battery System

- When the battery is shut down, press the button(3~6S) to release, and the battery is active and power on, the LED indicator from "RUN" for 0.5 secondsto indicate the power on,after the RUN indicator is often on,the power indicator LED according to the current power indication.
- When the battery is in the boot state,press thebutton(3~6S)to release,close the battery output,stop discharging,stop the LED indicator light and turnoff from the lowest power light for 0.5 seconds.
- The battery is in the state of parallel machine startup. After the main, main and negative total loop is connected with the communication line, the battery is startup in turn,in order to open the slave machine from the bottom to the top, and finallythe host engine. The battery packconnected to the inverter is the host by default.
- When the battery is in the state of parallel shutdown, first close the host connected to the inverter, and then turn off, the order is from top to bottom.

Recommended Cables

Cable	Type	Cross Section	Diameter	Crimping Terminal	Tightening torque	remark
PGND	UL10269_8#	0.6-1mm ²	2M	M4(OT)	1.2N.m	
DC Cable	ES07-P25S-04-OG_EV ES07-P25S-04-BK_EV	4-6mm ²	2M	M6(OT)	5N.m	
Communication Cable	Multiple core RJ45	0.2-0.4mm ²	2M	/	/	
PGND	UL10269_8#	0.6-1mm ²	100mm	M4(OT)	1.2N.m	Parallel wire
DC Cable	ES07-P50-04-OG_EV ES07-P50-04-BK_EV	4-6mm ²	70mm	/	/	
Communication Cable	Multiple core RJ45	0.2-0.4mm ²	250mm	/	/	

Definition of Interface

Link_1	Link_2	Link_3
RS232-GND	1	RS485B
RS232-GND	2	RS485A
RS232-TX	3	UP_IN
CAN_H	4	GND
CAN_L	5	GND
RS232-RX	6	
RS485A1	7	
RS485B1	8	