

Communication wiring diagram

Schematic diagram of connection of multiple batteries system
Power wiring diagram and communication wiring diagram.

Notes:

- The parallel connection can only be used in parallel, not in series.
- When the parallel communication line is connected between the host computer and the inverter, the host computer will be 'OUT' first.
- The number of parallel machines 'n' ≤ 15 .
- Power cable MAX Current 200A.

QR code



Scan QR code to get more information.

*Read this guide carefully before installing a battery pack

Product

Model: ABL02-16L65



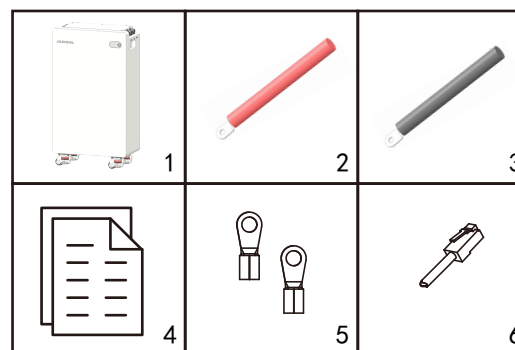
Model	ABL02-16L65
Storage capacity(kWh)	16.07
Voltage Range(V)	43.2 ~ 58.4
Rated Charge /discharge current(A)	157
Dimension(mm)	W480*D862*H246
MAX parallel	15
Operating Temperature	Charge: 0 ~ 50 °C, Discharge: -20 ~ 50 °C
Storage Temperature	-20 ~ 45 °C ≤ 1 month; -20 ~ 35 °C ≤ 6 months
Relative Humidity	5% ~ 95%(non-condensing)
Installation	Floor
Installation environment	Outside
Protection class	IP65

CAUTION



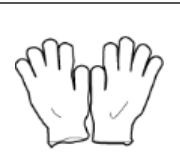
DO NOT reverse the positive and negative terminals.
DO NOT use the battery if it is hot, bulging, deformed, or leaking.
DO NOT mix batteries of different manufacturers, types, or ages.

Part list



NO.	Description	QTY
1	Battery Pack	1
2	Power cable(Red BAT+)	1
3	Power cable(Black BAT-)	1
4	User manual	1
5	OT terminal 4-6	2
6	Ethernet cable	1

Install tools



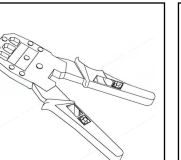
Protective gloves



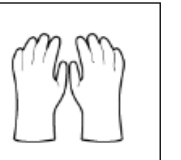
Respirator



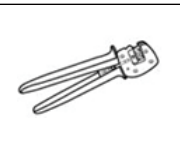
Protective shoes



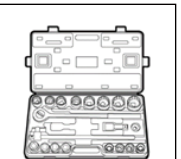
Cable clamp



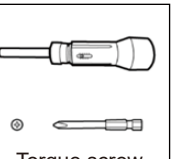
Insulating gloves



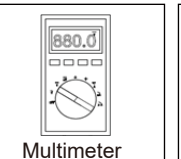
Crimping pliers



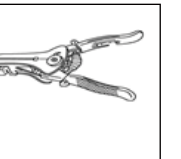
Sockets tool box



Torque screw driver

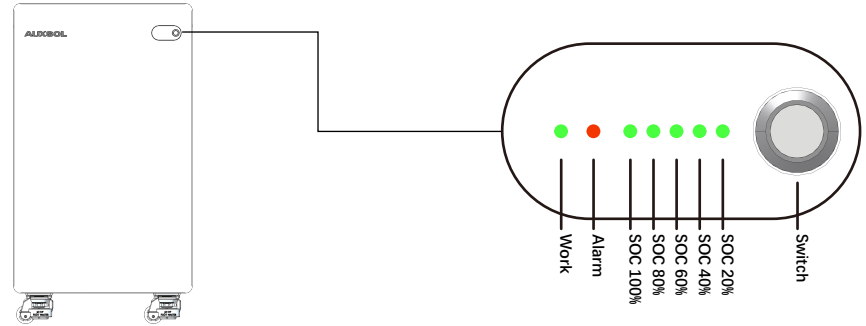


Multimeter
(Vdc range>1000V)

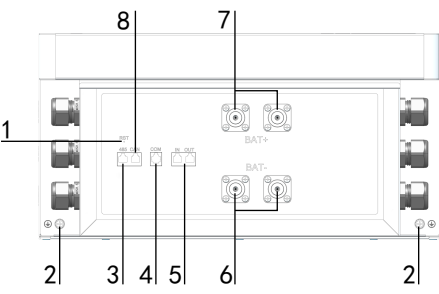


Wire stripper

LED



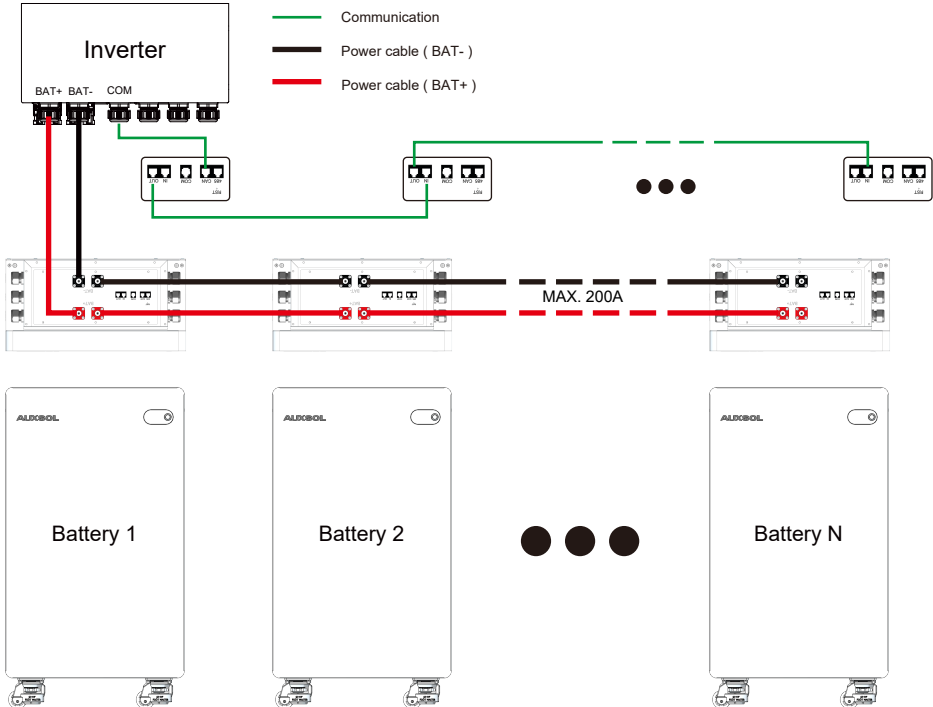
Electrical connection



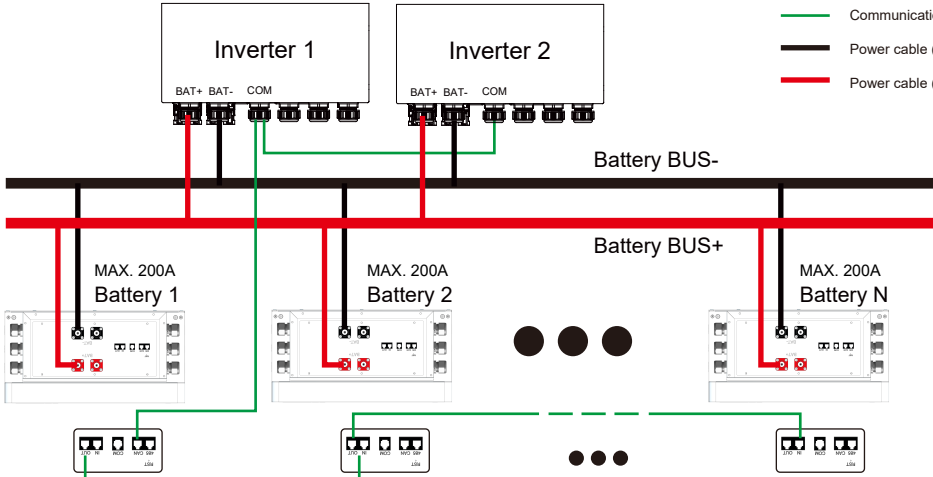
NO.	Description
1	Reset switch
2	PE port
3	RS485 parallel port(for PCS)
4	Upper communication
5	Parallel port
6	Negative port(BAT-)
7	Positive port(BAT+)
8	CAN port(for PCS)

Communication wiring diagram

Parallel mode 1



Parallel mode 2



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印刷说明：

- 1、材料：图幅：A4 210x297mm，铜版纸，157g，成品展开尺寸公差 $\pm 5\text{mm}$ ；
- 2、印刷要求：双面彩印，内容颜色正确清晰无重影，蓝色色号：PANTONE 287C C100 Y90 M38 K0；
- 3、来料方式：折叠来料，折叠方式如下图所示（仅供参考，以实物为准）：

