



TB2421E

40 Ah DIY Battery cabinet

UPBPTB2421EX-AZ01B

Installation and battery connection for 40Ah DIY EBM



Thank you for purchasing our products!

Please read this manual before using the product.



Focusing on quality at competitive prices, **nJoy** designs consumer products for a better and enjoyable way into the digital world.

This UPS will protect your electronic equipment from physical damage and will provide emergency battery backup power to prevent data loss in the event of power problems.

Garun Series models that are compatible with this EBM model:

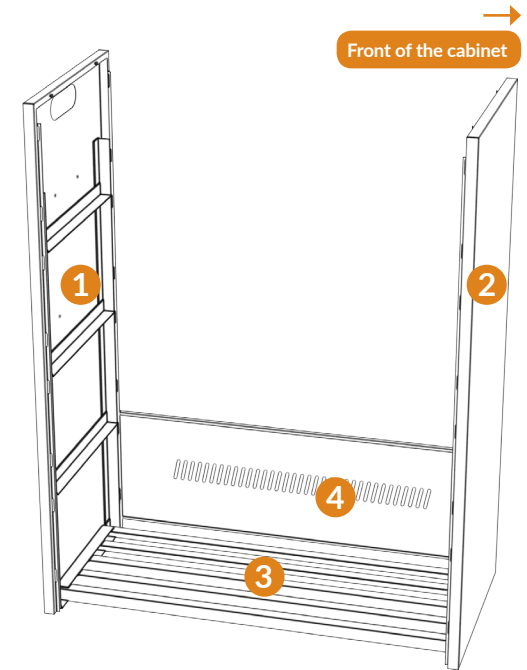
40K VA → Garun 40KL

60K VA → Garun 60KL

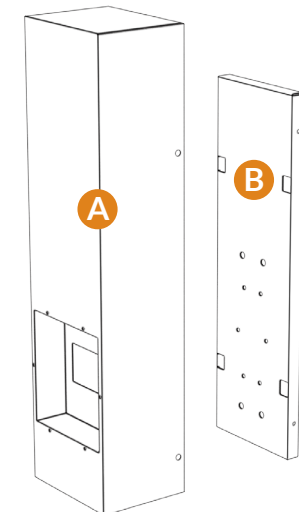
80K VA → Garun 80KL

1 Installation and assembly of the cabinet

Step 1
Assemble the first parts of the cabinet in the order shown.

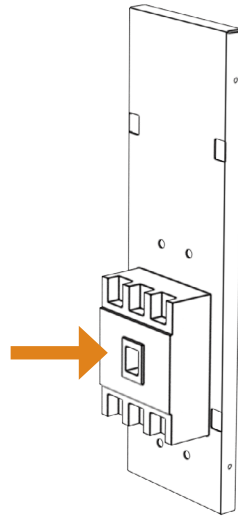


Step 2
The breaker cover has two parts. Begin with the lower part (shown in picture as B).



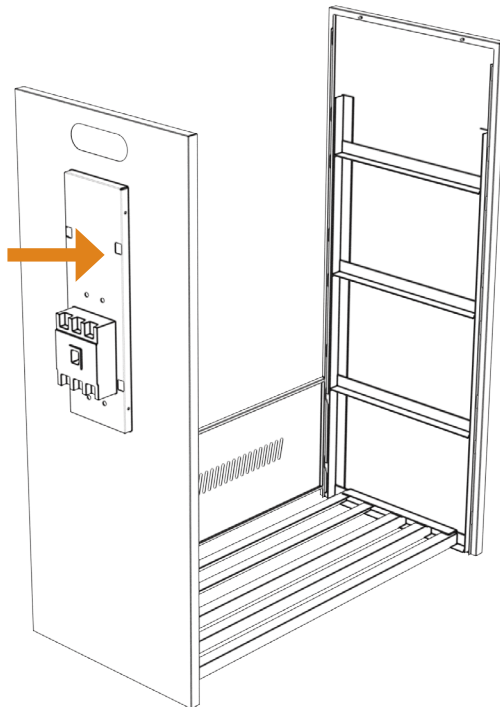
Step 3

Screw the breaker on the corresponding part.



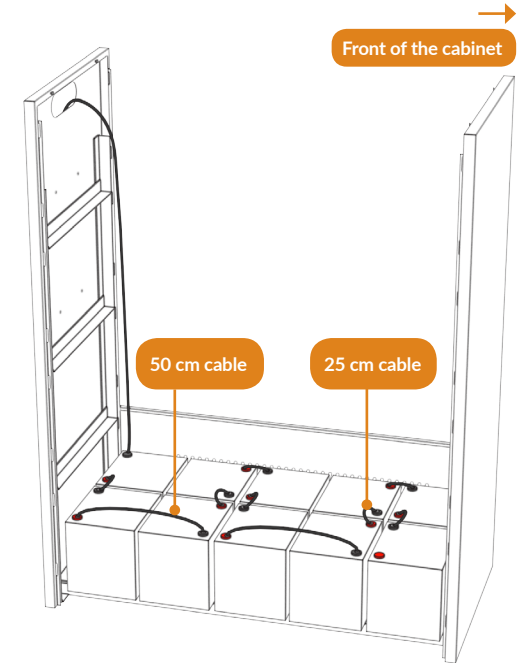
Step 4

Assemble the component on the back of the cabinet.



Step 5

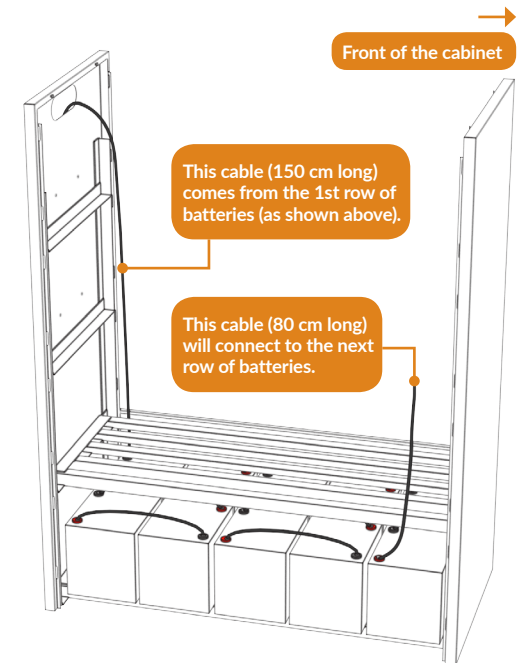
Place 10 batteries on the first tray, and connect them accordingly.



Step 6

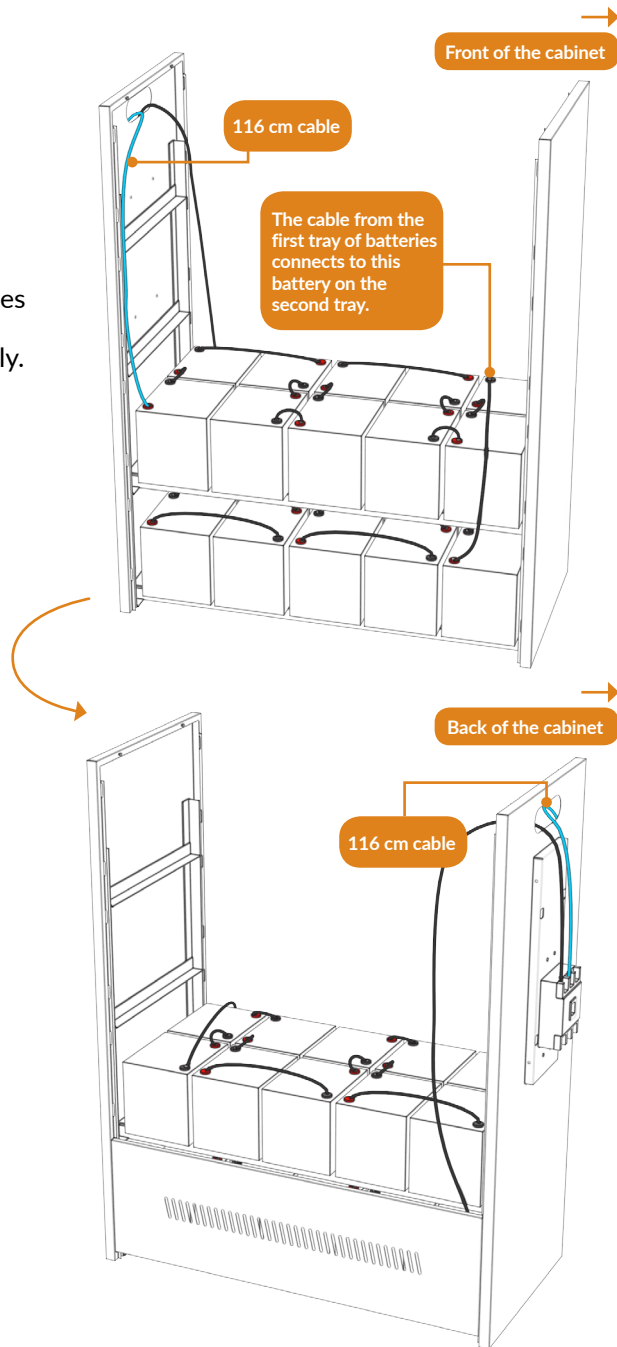
Assemble the next components and tray.

Connect the last cable to the battery as shown in the image.



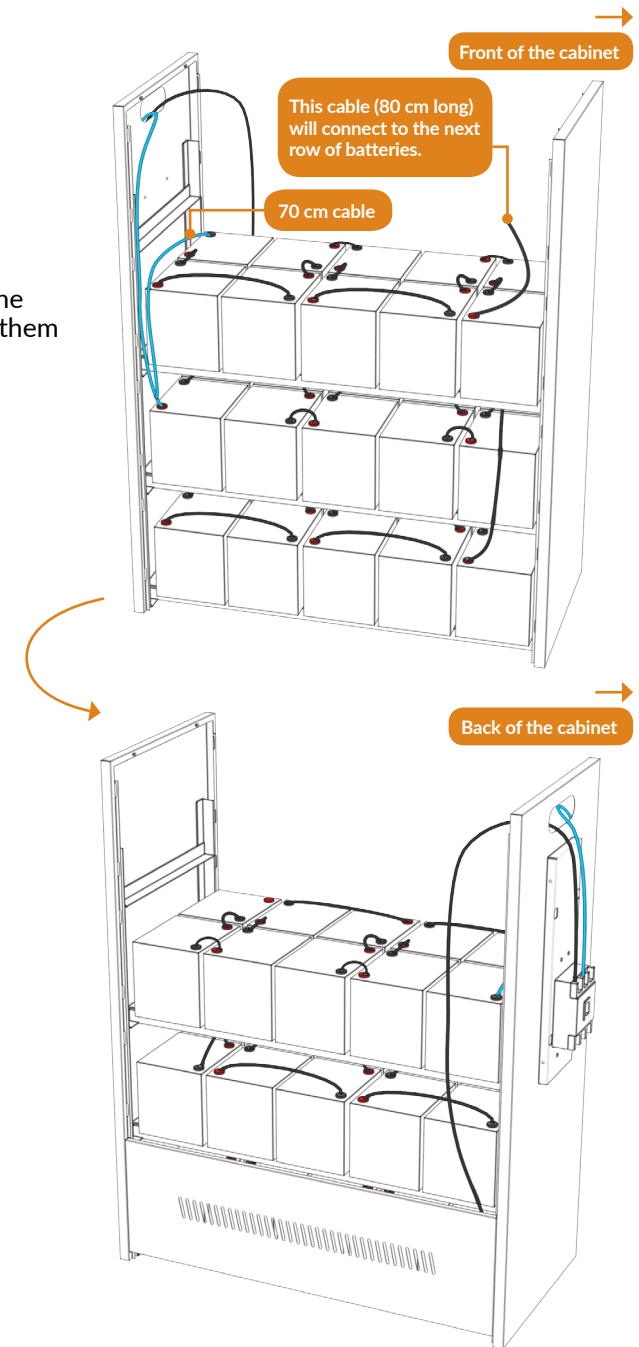
Step 7

Place another 10 batteries on the next tray, and connect them accordingly.



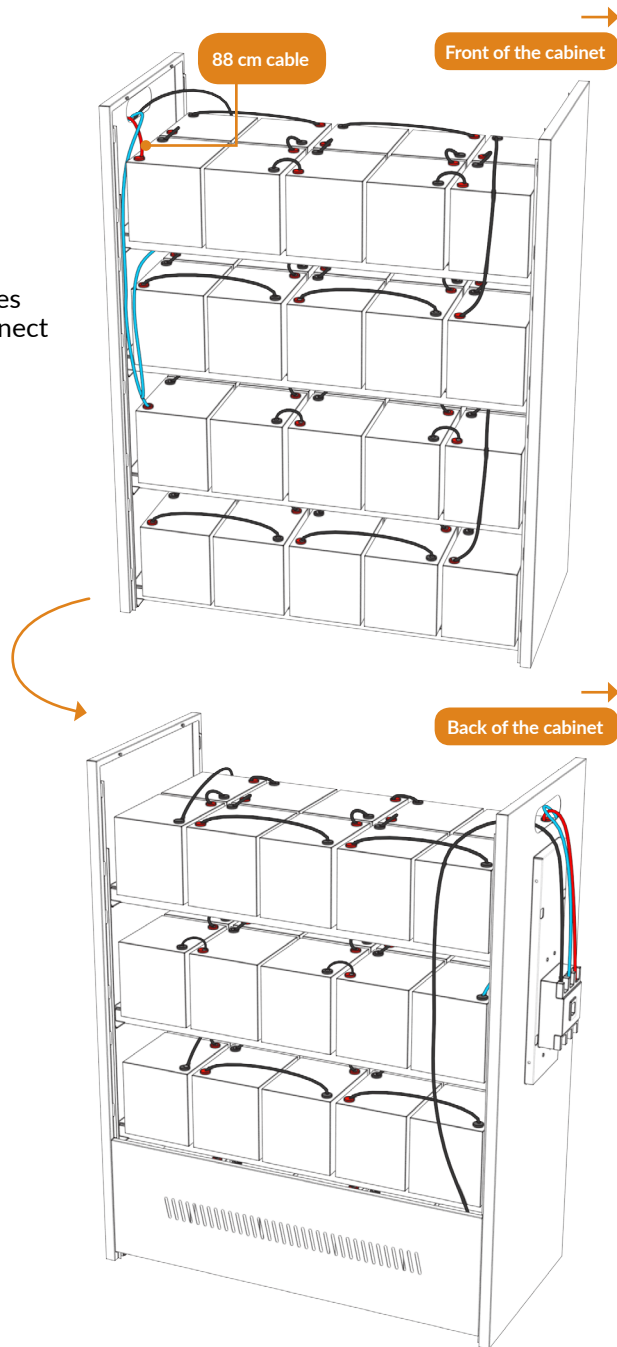
Step 8

Place 10 batteries on the next tray, and connect them accordingly.



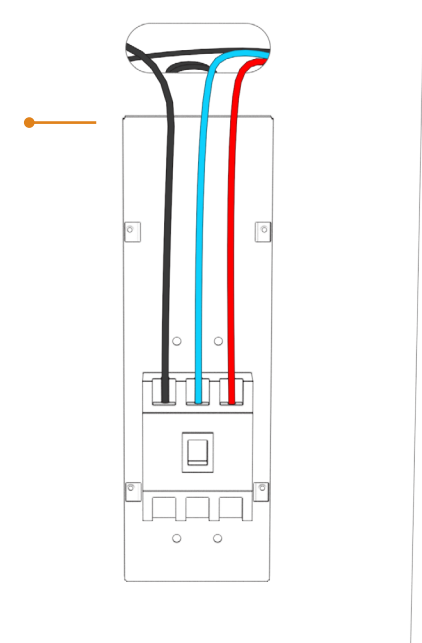
Step 9

Place the last 10 batteries on the top tray, and connect them accordingly.



Step 10

On the back of the cabinet, the wires should be connected to the breaker as shown in the image.



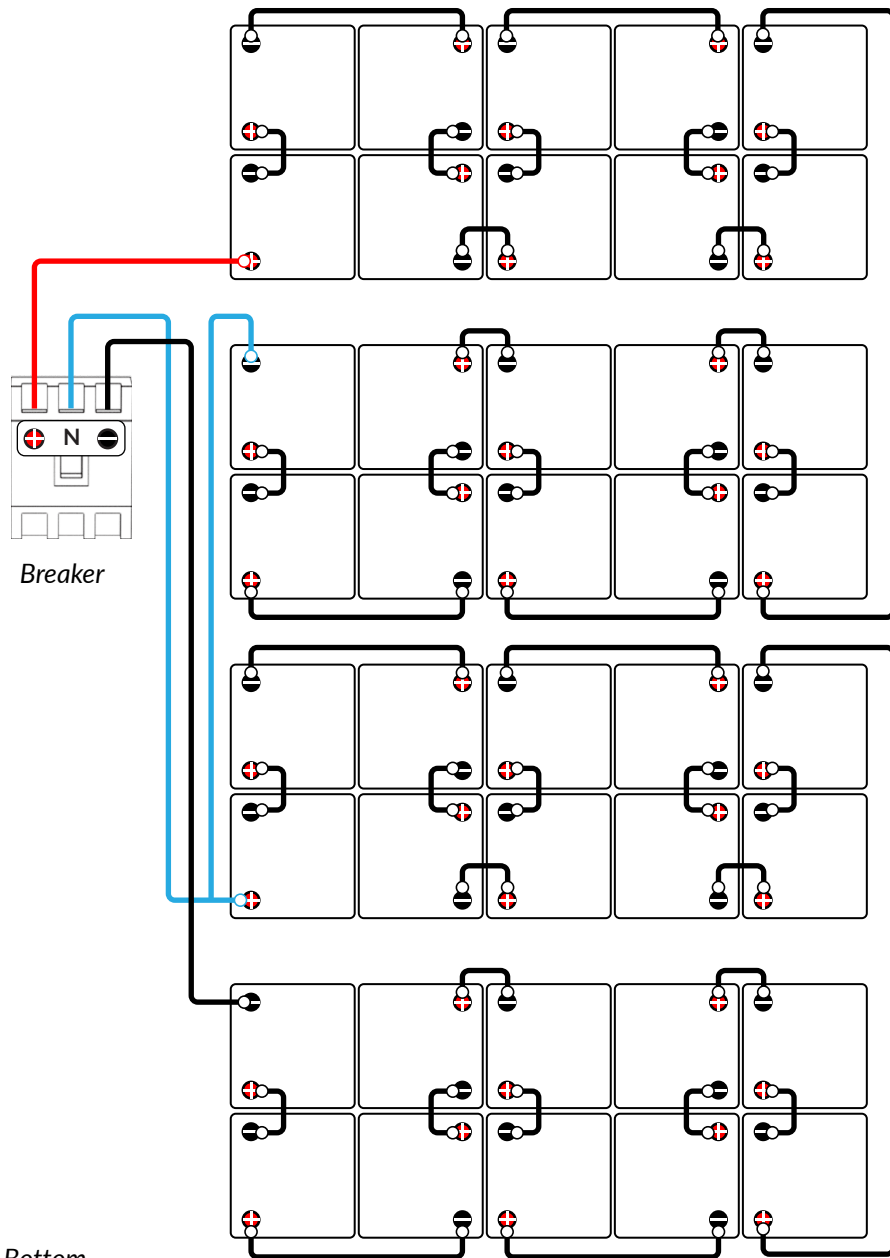
NOTE!

All the cables shipped with the cabinet are black. We used colors on this manual to make the connection diagram presented below more clear.

Top



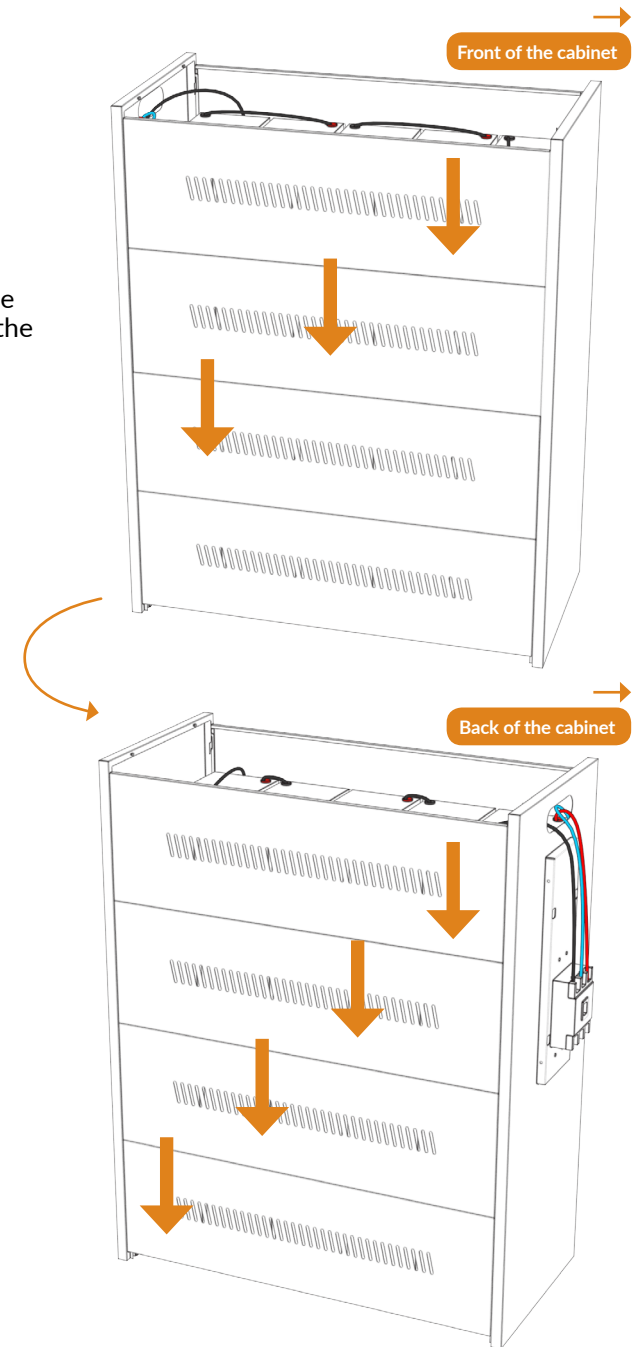
Front of the cabinet



Bottom

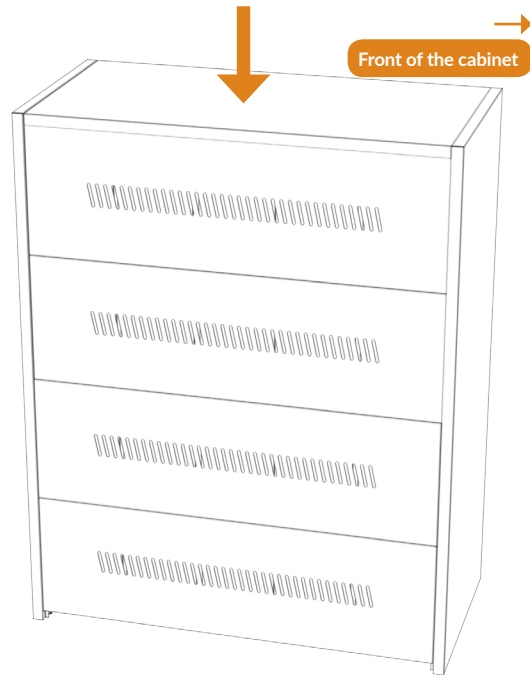
Step 11

Assemble the rest of the panels on each side of the cabinet.



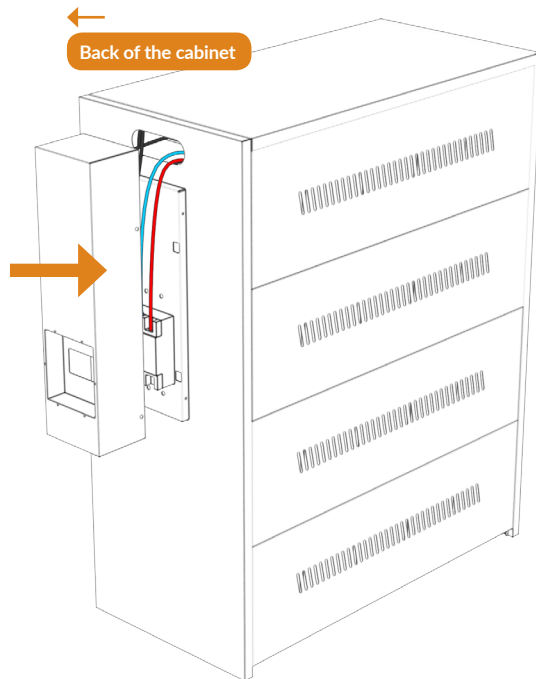
Step 12

Assemble the top cover of the cabinet.



Step 13

Make sure the cables are correctly connected to the breaker and assemble the cover.



For complete information on the cables used for this battery cabinet, please refer to the table below:

No.	Description	Length (cm)	Quantity (pcs)	Observations
1	4 AWG cable (BLK)	25	28	6.4mm diameter connectors on both ends
2	4 AWG cable (BLK)	50	8	6.4mm diameter connectors on both ends
3	4 AWG cable (BLK)	80	2	6.4mm diameter connectors on both ends
4	4 AWG cable (BLK)	150	1	6.4mm diameter connector on one end and 8.4 mm one end
5	4 AWG cable (BLK)	116	1	6.4mm diameter connector on one end and 8.4 mm one end
6	4 AWG cable (BLK)	88	1	6.4mm diameter connector on one end and 8.4 mm one end
7	4 AWG cable (BLK)	70	1	6.4mm diameter connectors on both ends

