

### 1. Check the accessories list



HUB\*1



Internal cable\*1

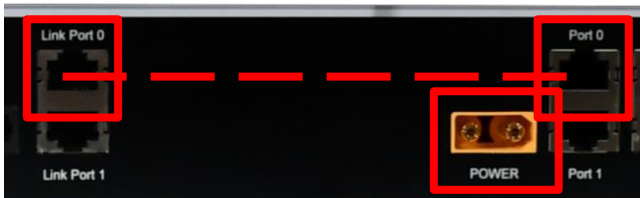


Power cable\*1



Battery Comm cable\*1

### 2. Connect the power cable and internal cable



1. Connect Link Port 0 and Port 0 by internal cable.

2. Plug in the power cable and connect the rings to the Busbar or other power source.

### 3. Connect the battery groups

1. Connect the batteries into a group.  
Link one battery Port 0 to the other battery Port 1 one by one. Note that leave the Port 0 of the master battery empty. Set the DIP switch of each **master battery** as follow. Each group supports up to 8 batteries in parallel. And change all batteries into Hub model (use with hub).

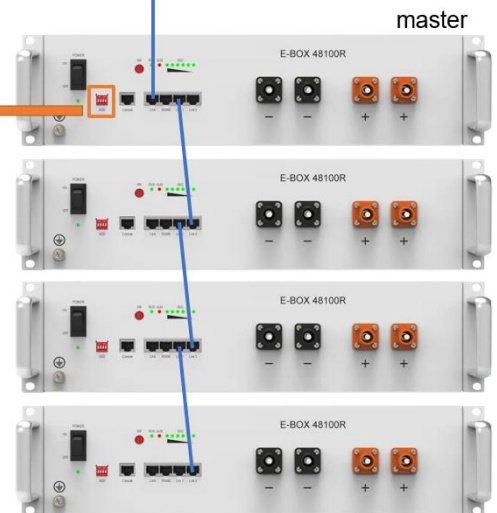


Normal use



Use with hub

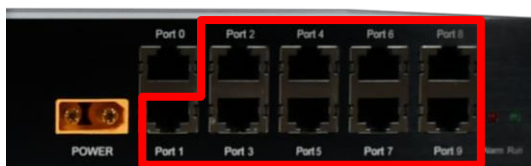
to HUB port 1~9



Battery group list

Group1		Group5	
Group2		Group6	
Group3		Group7	
Group4		Group8	

Graphic The black part is the lever



2. Connect the battery groups to the HUB by battery com. cables\*. (See the footnote in the end of the document.)

The comm cable needs to plug in the **CAN port** of the master battery and Port 1 to Port 9 of the HUB. Note that each HUB supports up to 7 groups.

## 4. Connect to the inverter(s)



- Set the DIP Switch according to the inverter brand. See Chart 1.
- Connect the HUB to the inverter by the custom comm cable. Please refer to Chart 2 for comm cable making.

Chart 1. HUB DIP Switch settings for different inverter

Victron		Deye/Sol-Ark		Afore		Solis	
Phocos/Voltronic		Studer		SRNE		Empty	
Goodwe		Kelong		SMT		SMA	
Megarevo		Growatt		Empty		Luxpower	

Chart 2. Pin Assignments for custom comm cable making

PinNumber	Hub RS485	Hub CAN	Deye Sol-Ark	Victron	Voltronic Off-grid	Afore
1	RS485B		RS485B			
2			RS485A			
3	RS485A	H			RS485B	
4		L				H
5					RS485A	L
6						
7			RS485A	H		
8			RS485B	L	GND	
PinNumber	Megarevo	SRNE	Growatt	SMA	GOODWE	
1						
2						
3						
4	H		H	H	H	
5	L		L	L	L	
6						
7		RS485A				
8		RS485B				

Footnote:

\*A standard ethernet cable can be used as the Battery comm cable between battery group and hub.

For legacy product, a custom ethernet cable is needed.

Please see the picture on the right.

Click [here](#) to check your battery model.

