SIMPO 5000 Quick Start Guide_V1.4

ZYC ENERGY

ZERO YOUR CARBON



Safety

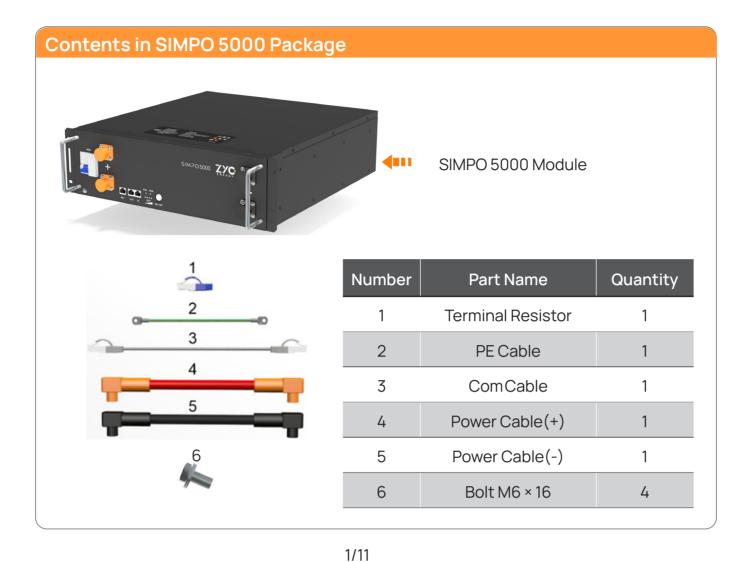
When installing, commissioning, operating and maintaining the product, the safety requirements in the manual should be strictly observed. Incorrect operation or work may lead to damage to the product and other properties or injury or death of the operator or third parties.

When fixing the product with screws or other parts, use the correct tool and reinforce it with the torque indicated in the manual or on the label of the product, otherwise the product may be unstable or damaged. When using different tools, master the tools in advance to prevent the installer from being injured due to improper handling.

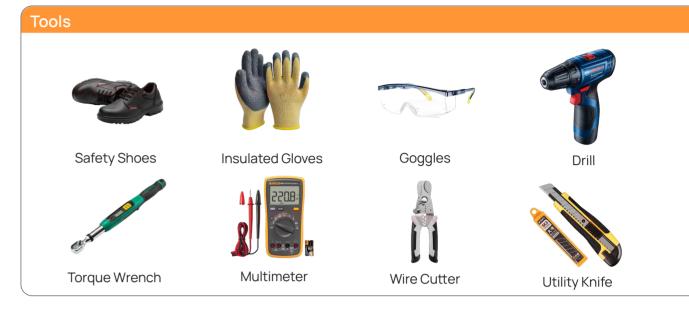
Please read this manual thoroughly before installation to ensure proper and safe installation and use of the product.

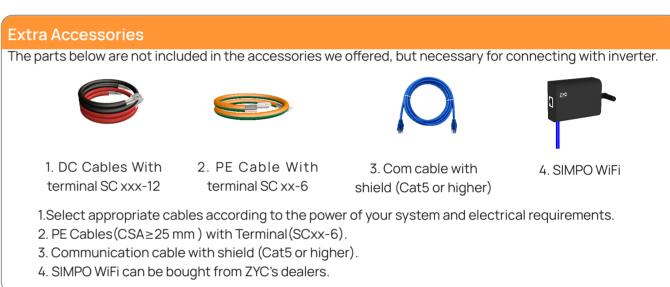
Warning & Caution

- Installers and users are obliged to familiarise themselves with this manual.
- Power Cables and plugs have high voltage from the battery, be careful when wiring.
- Ensure that a fire extinguisher is in place prior to installation and use.
- Installation and operation must be carried out by qualified personnel and the system must be installed in restricted access areas.
- The battery module is with certain weight, it is better to be installed by at least two personel. With the help of tools if necessary.

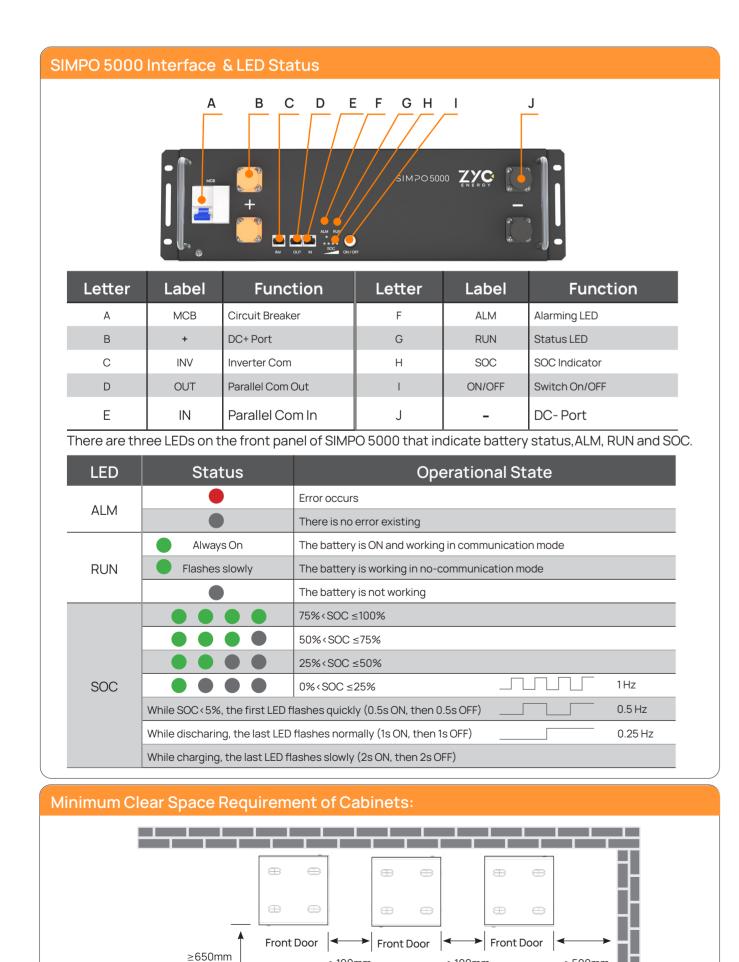


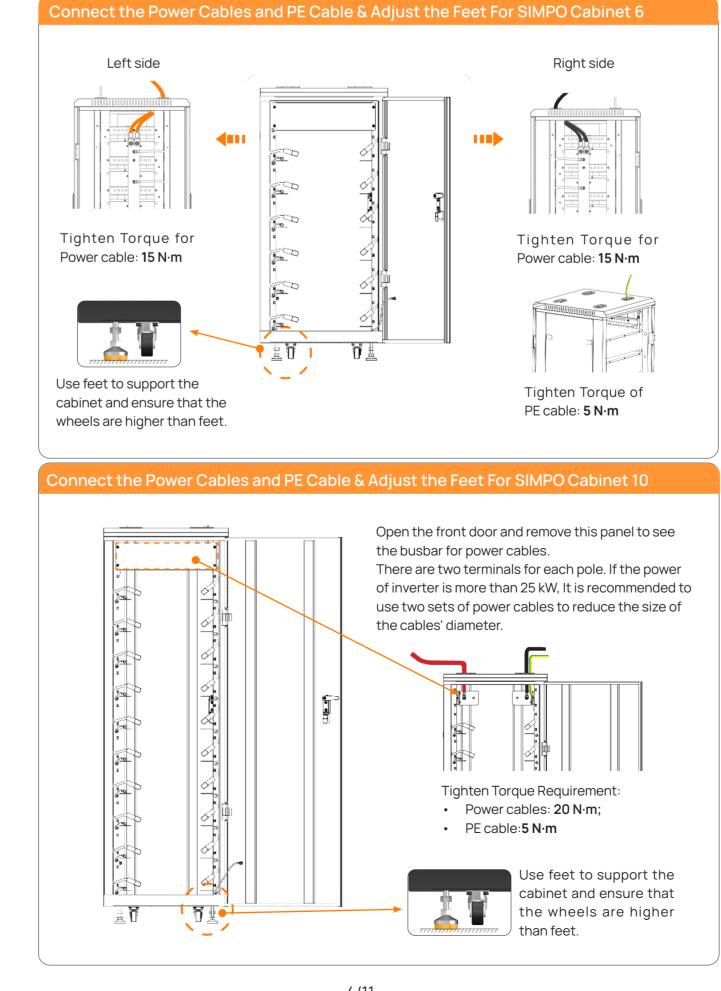


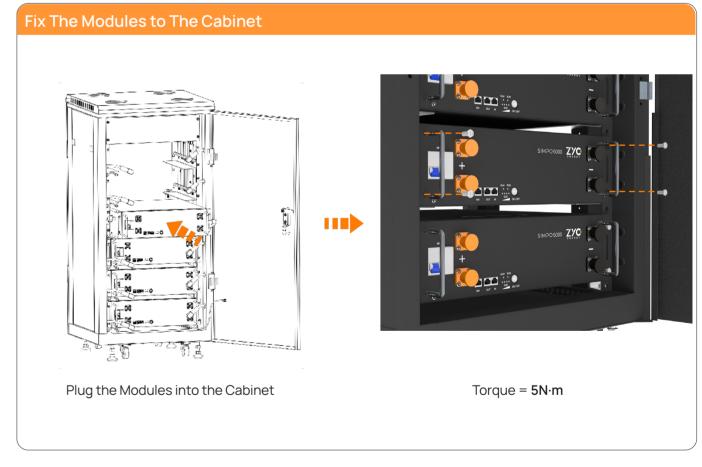


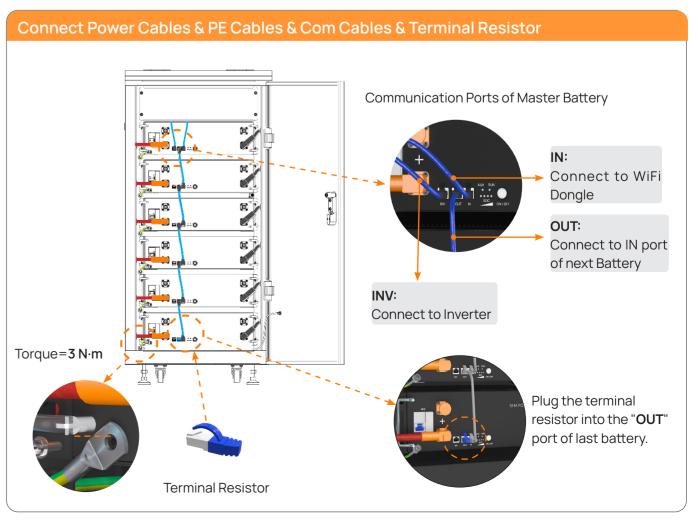


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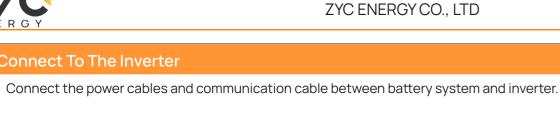






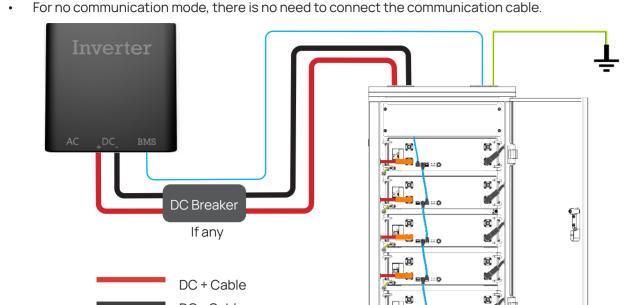


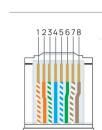
Notice:





The communication cable should be Cat 5 or upper.





Definition of INV Port on Battery interface

COM Cable ≥ Cat 5

PE Cable

PIN No.	1	2	3	4	5	6	7	8
Definition	Null	Null	Null	CAN_H	CAN_L	Null	RS485B	RS485A

Change the communication cable's wires order if necessary. Matching with the **CAN** Communication inverters as below:

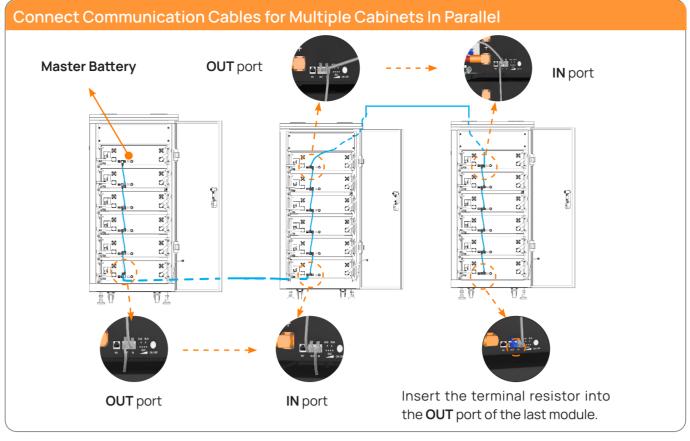
		SIMPO 5000	Victron*	Selectronic	SMA	Studer	Steca	Deye	Noark	GoodWe
CA	H_N	4	7	1	4	4	4	4	4	4
CA	AN_L	5	8	2	5	5	5	5	5	5

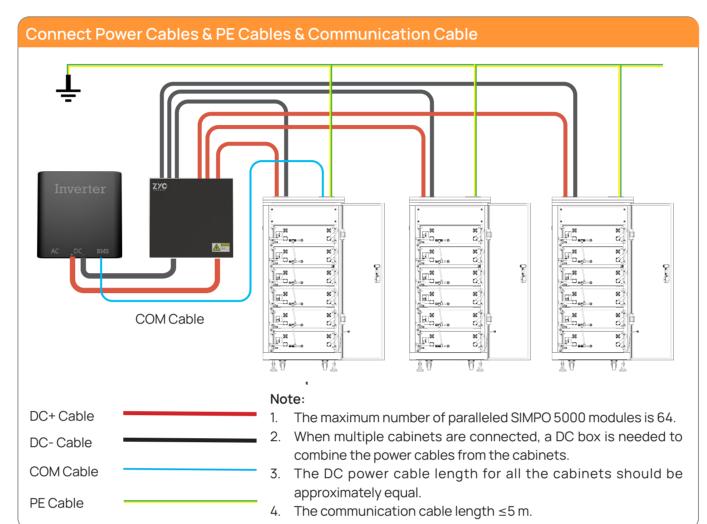
*For Victron devices, recomanded to use the VE.Can to CAN-bus BMS type A cable.

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Matching with the **RS485** Communication inverters as below:

	SIMPO 5000	Lux Power	
RS485A	8	2	
RS485B	7	1	



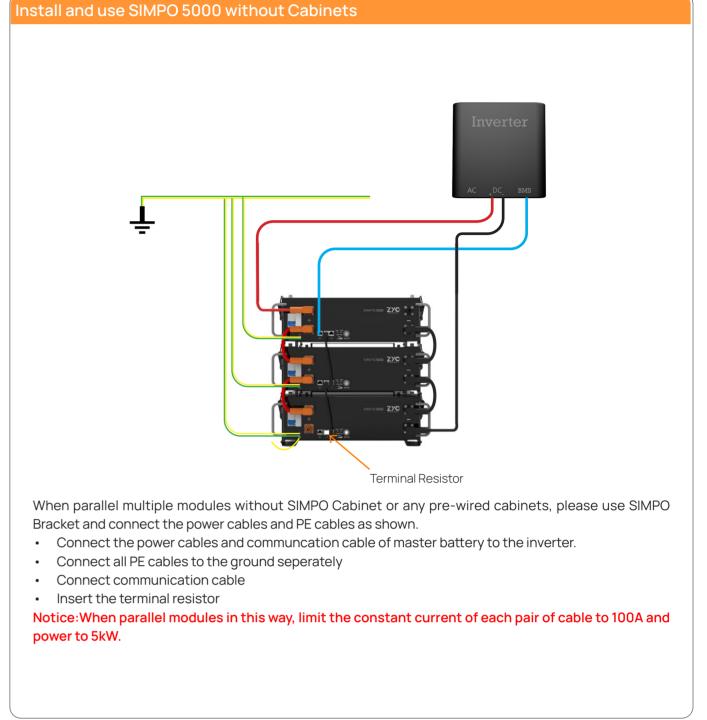


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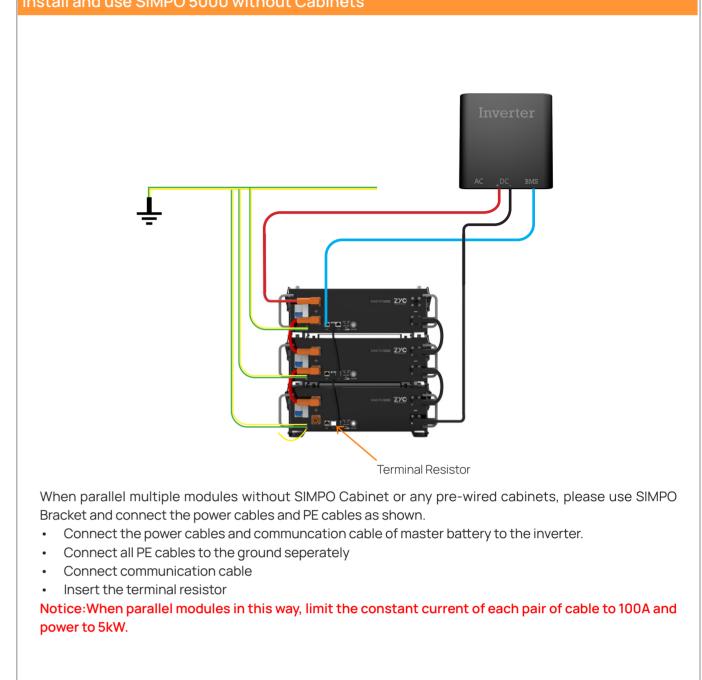
Install SIMPO 5000 in non-SIMPO Cabinet

SIMPO 5000 can be slided into any 19-inch cabinets seamlessly. When using other cabinets, notice below should be followed:

- SIMPO 5000 should not be installed in the reverse direction.
- For safety reasons, please install SIMPO 5000 from the bottom to the top of the cabinet.
- Select proper size power cables according to the power of system. • Make sure the PE cable is connected properly.
- Connect the communication cable between modules fo llowing the guidance in previous contents. For multiple cabinets, connect the communication cables base on previous contents and the selected



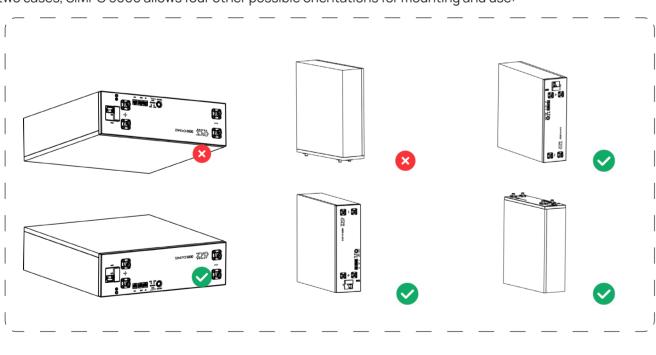
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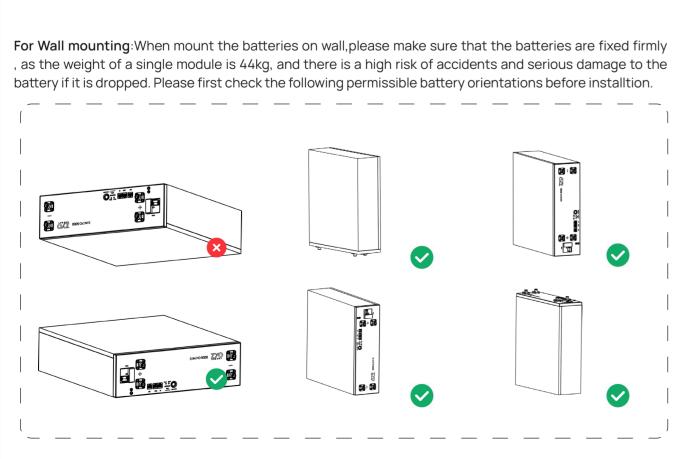


Battery Orientation

When mount SIMPO 5000 without cabients or bracket. There are certain requirements for the orientation of the battery, please install it correctly according to the following contents.

For Stationary Applications: When brackets and cabinets are not applicable for use with the battery, avoid placing the battery **upside down** or **placing the front panel directly on the ground**. In addition to these two cases, SIMPO 5000 allows four other possible orientations for mounting and use:





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Switch to No Communication Mode

SIMPO 5000 can operate normally without communication with the inverter. To switch to no-communication mode, please follow the procedures in the right figure.

Once the BMS is connected to the inverter with a communication cable, it will automatically switch to communication mode.



Operating procedure:

- 1. Power on the battery.
- 2. Double click the "ON/OFF" button within 3 seconds.
- 3. The SOC indicators will flash 2 times.



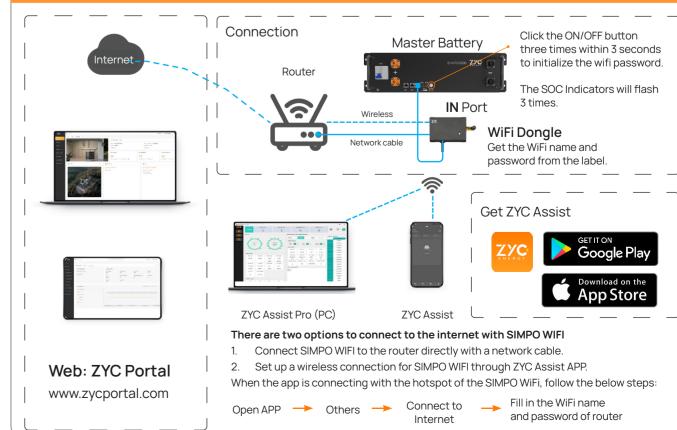
System Start Up

- 1. Turn on the DC breaker between battery and
- inverter (If any).
- 2. Turn on all of the MCBs. 3. Press the 'ON/OFF' button of Master battery
- for 1 seconds to power on batteries. 4. Turn on the inverter.

System Shutdown

- 1. Shut down the inverter. 2. Turn off the DC breaker between battery and
- inverter (If any). 3. Press and hold the ON/OFF button for 3 seconds
- on the Master battery to shut it down.
- 4. Make sure the LED on the battery is off.





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