

How to use hybrid inverter

SHOWING IN ONE PICTURE

This picture is applicable to Sinexcel 50kW/100kW PV + Storage hybrid inverter with STS module.

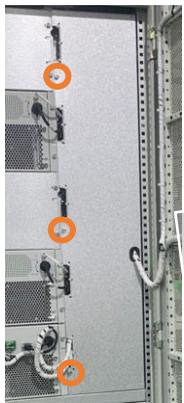


Sinexcel

Model: PWG2-50K, PWG2-100K

Preparation

② remove 3 screws and open the panel



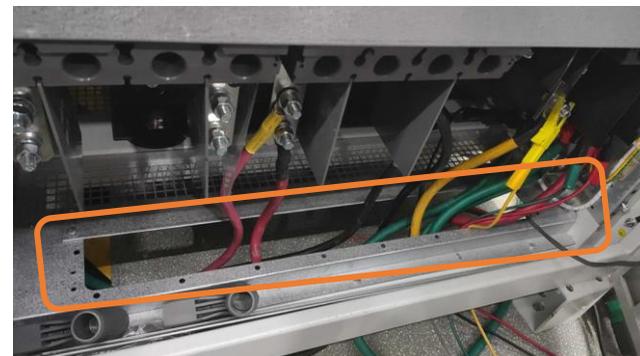
① open the door



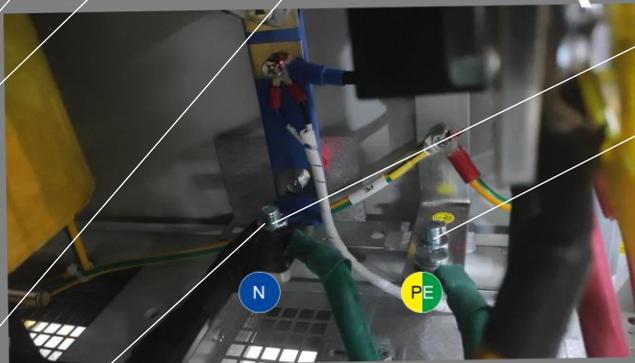
③ remove 4 screws and open the panel



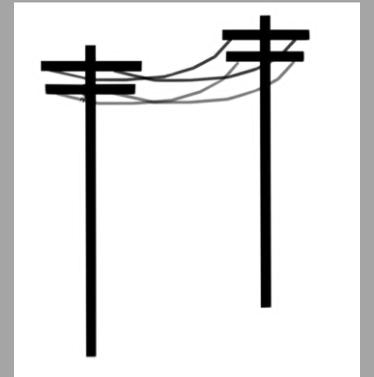
③ remove 13 screws and open the bottom plate



Power cable connection



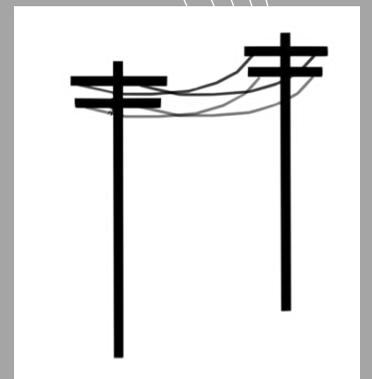
Without DG



With DG



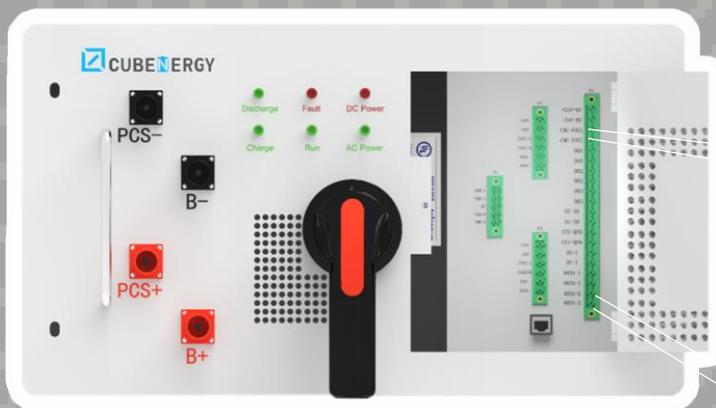
If there is EMS



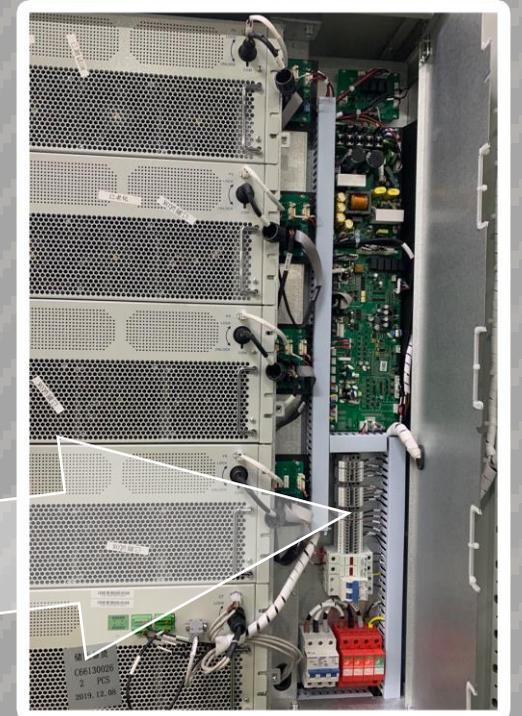
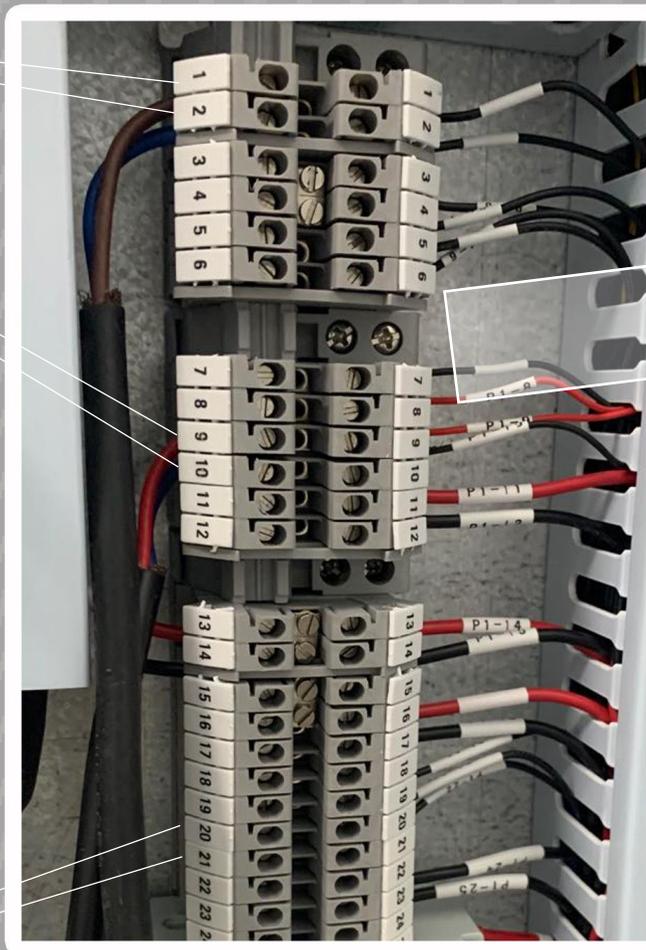
If there is no EMS, please proceed.
If there is EMS, please skip to the bottom gray area.

Communication connection

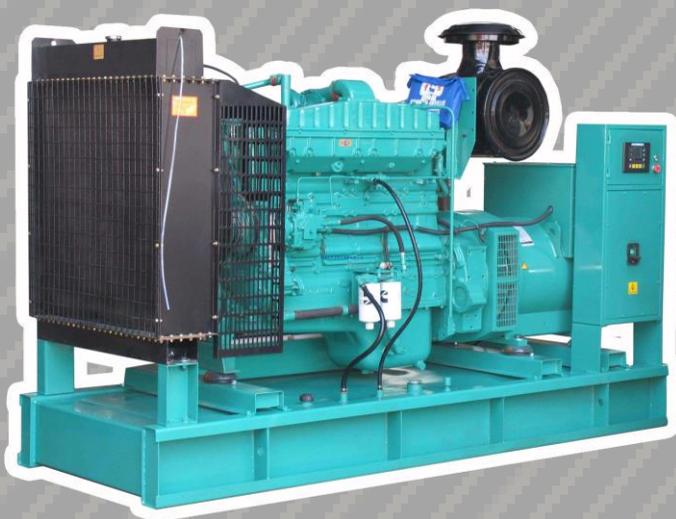
It connect to the high-voltage box when 1 string battery. If there are 2 strings, it should be connected to control box.



1- CMU FAUL 2- CMU FAUL
9- 485A-2 10- 485B-2



With DG



20/21- Output dry contact for genset or controller

Power on

- a) After BMS is normally turned on, close the DC side switch QD1 of PCS.
- b) After photovoltaic access, close the PV switch QD3.
- c) And after load access, close the load switch Q2.
- d) Close the power grid switch Q1 and wait the monitoring screen lights up.



When no input is detected in the power grid, the equipment will automatically switch to the off-grid state.

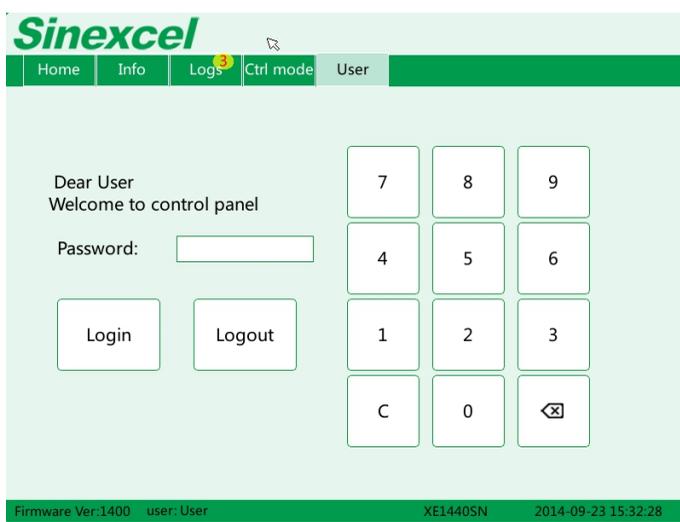
When the input is detected, the device will automatically switch to the grid-connected state.

! At this time, the equipment does not alarm, if there are other alarms, please contact the manufacturer in time to check the setting parameters. After the parameters are normal, normal boot.

HMI Operation

If the green light is on, the machine runs normally and does not need to operate the HMI interface.

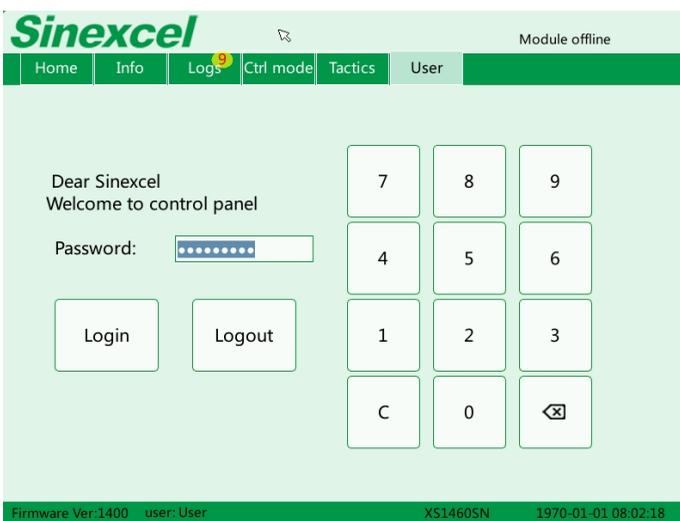




If the red light is on and there is number on "logs"

The monitoring screen lights up

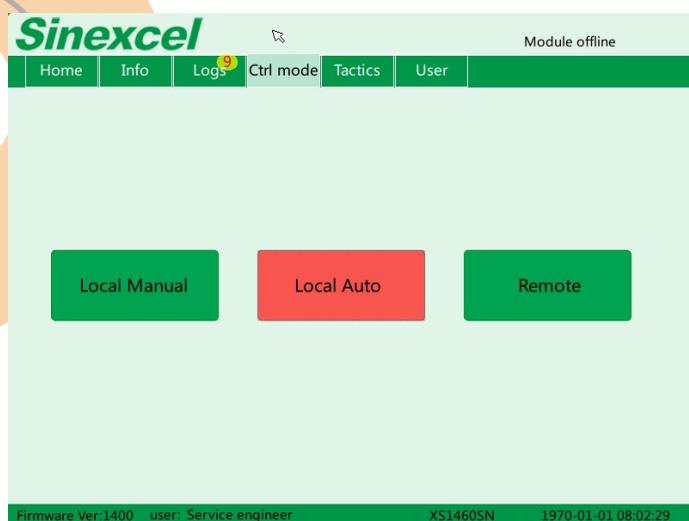
2



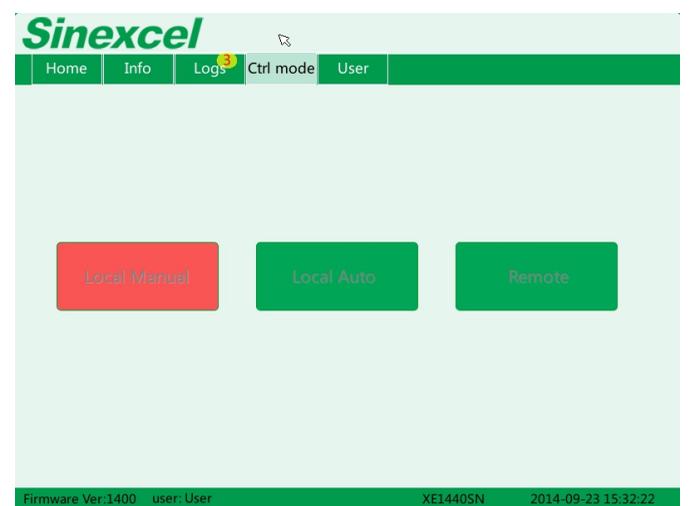
Enter the password xxxxxxxx on the interface, and then click "login" to enter the system

3

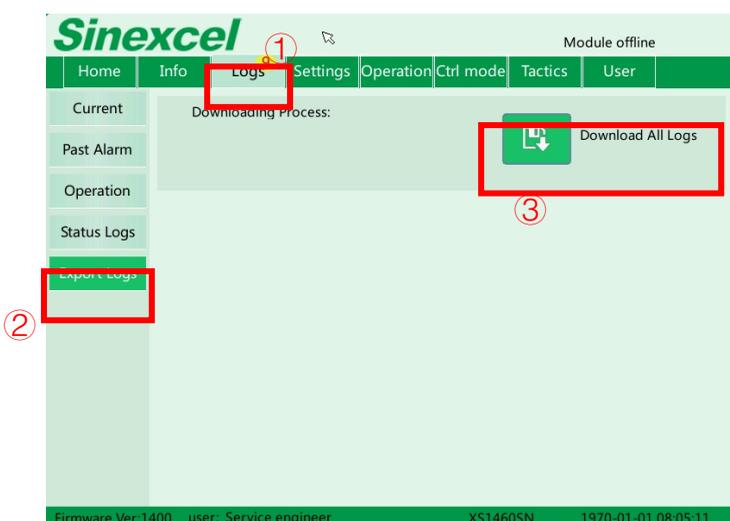
Click the control mode



Change the control mode to "Local manual"



4
Change mode



Click "logs" and click "Export logs" to download the all logs

5

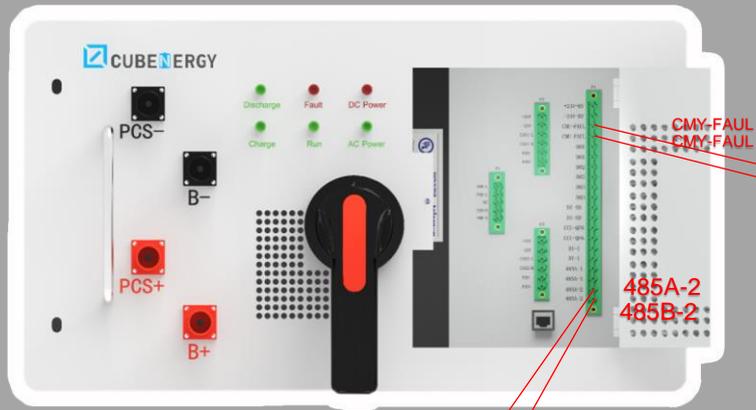
6

Sinexcel

Send the downloaded file to Sinexcel.

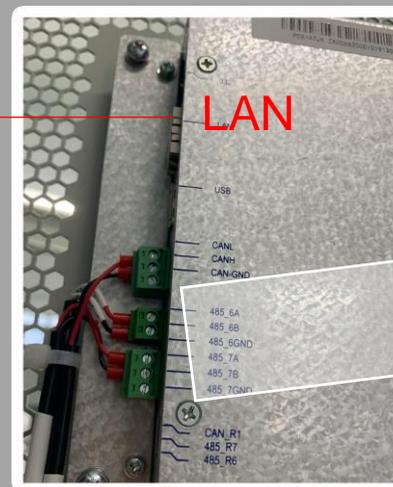
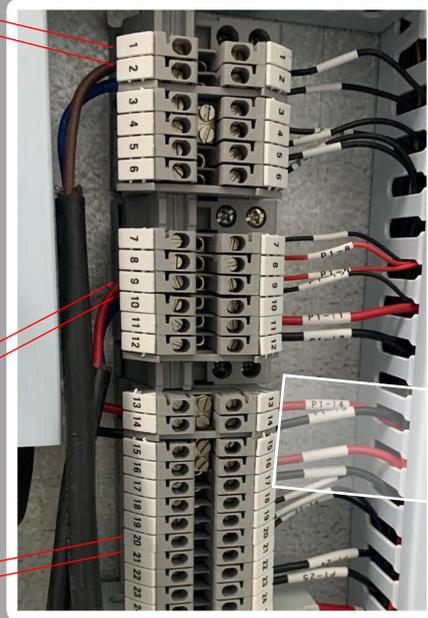
If there is EMS, please proceed.

Communication connection



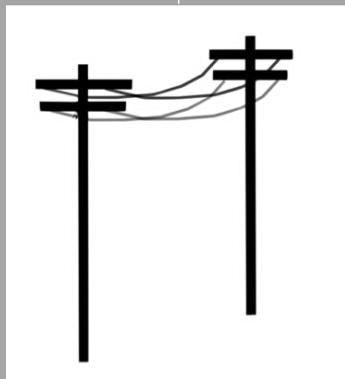
RS485

RS485



With DG

CT



After connection, contact EMS manufacturers for debugging.