

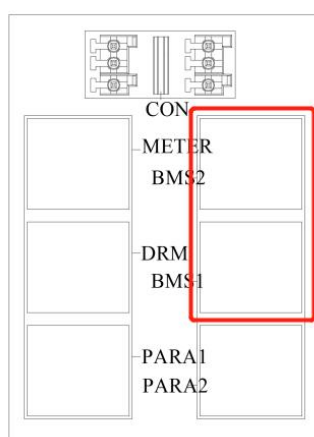
External EMS Device Operation Guide

This guide is designed to help you understand and correctly use this function. Please read this guide carefully before use and follow the instructions.

1. Physical Wiring

The communication cable of the local EMS device should be connected to the "BMS1" or "BMS2" interface of the inverter.

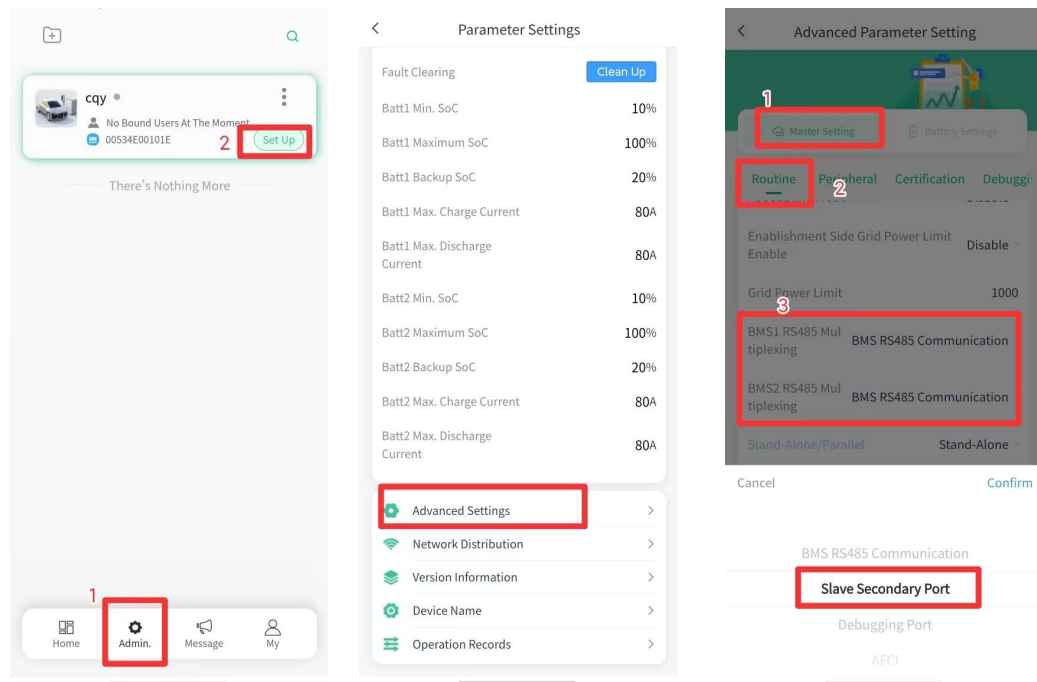
This interface is a multiplexed interface, where pin 1 and pin 2 are used to communicate with external EMS device, as shown below:



PIN	Color	Definition	Function	Note
1	Orange & White	RS485-A1-BMS	RS485 differential signal A1	BMS1 CAN port & EMS RS485 multiplex port
2	Orange	RS485-B1-BMS	RS485 differential signal B1	
3	/	/	/	
4	Blue	CANA-H1-BMS	CAN high level data	
5	Blue & White	CANA-L1-BMS	CAN low level data	
6-8	/	/	/	/

2. APP Settings

Enter 【Admin.】 -> 【Set Up】 -> 【Advanced Settings】 -> 【Master Setting】 -> 【Routine】 -> 【BMS1 RS485 Multiplexing】, select “Slave Secondary Port” .



3. Appendix

After completing the physical connection and APP settings, data can be transmitted through the local EMS device and inverter.



ISUNA MODBUS
V2 Communicati

Modbus-RTU protocol: