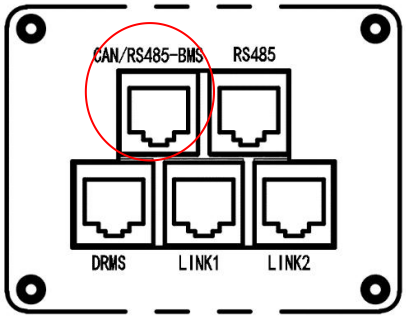
# Isuna S-SL

# 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 "CAN/RS485-BMS" interface of the inverter.

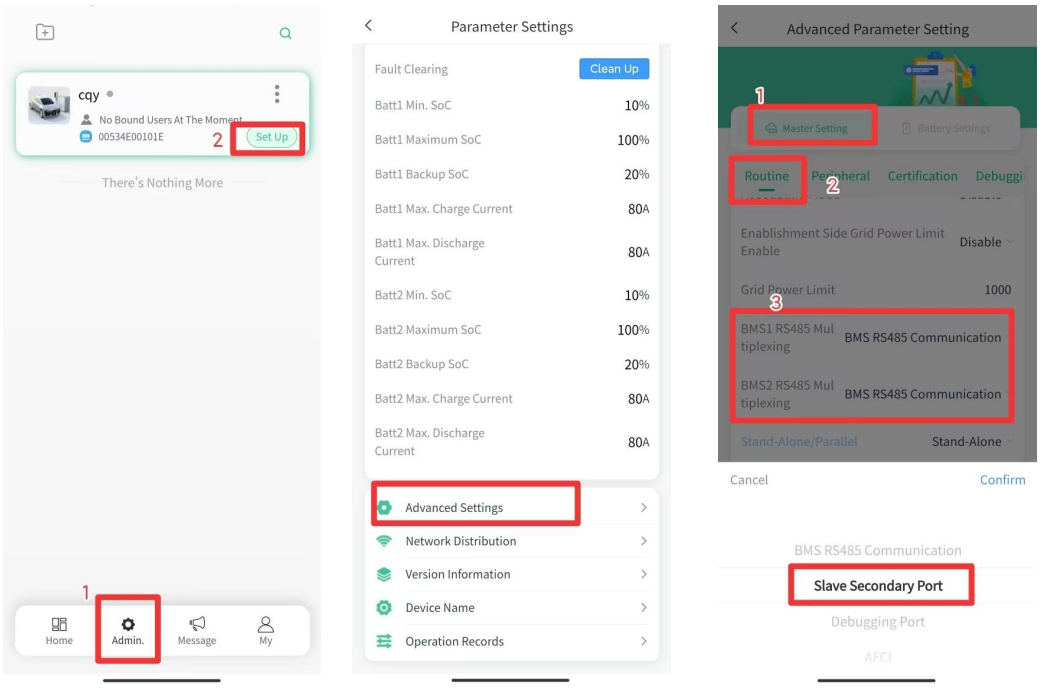



This interface is a multiplexed interface, where pin 7 and pin 8 are used to communicate with external EMS device, as shown below:

| PIN | PIN | Definition | Fuction |
|---|---|---|---|
| 1 | GND_SELV | Grounding | Communication with Li-ion battery BMS, CAN and RS485 communication for Li-ion battery can be adapted. |
| 2 | GND_SELV | Grounding | |
| 3 | / | NC | |
| 4 | CAN_A_H | CANH data | |
| 5 | CAN_A_L | CANL data | |
| 6 | / | NC | |
| 7 | RS485_A_BMS | RS485A | |
| 8 | RS485_B_BMS | RS485B | |

## 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: