QUICK INSTALLATION GUIDE
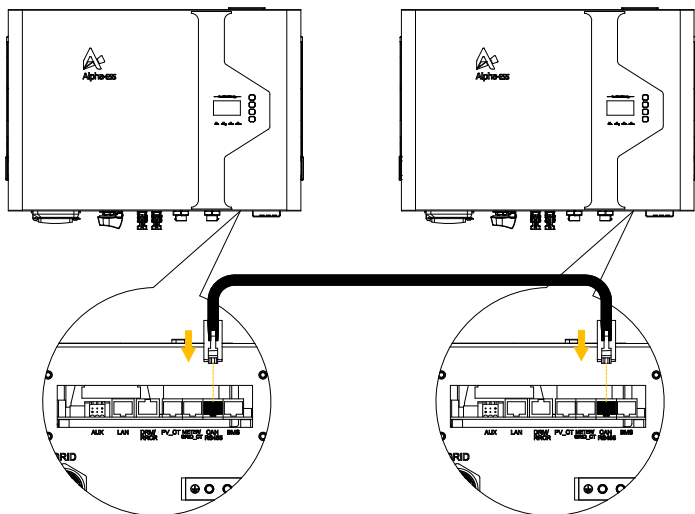
SMILE5-INV Parallel System

1　Overview

1.1 This installation manual is designed to guide installers on how to use the new parallel system solution to complete the parallel installation. Please follow the steps below to complete the installation and commission.

1.2 The batteries connecting to the same inverter must be connected together. The battery clusters connecting to each inverter must not be connected together.

1.3 The backup circuit must not be connected in parallel.

1.4 At most, 2 inverters can be connected in parallel.

⚠ **WARNING**

Inverters that do not follow the same SN encoding rules have hardware differences. For example, the parallel function only works for inverters of SN AL701XXXXXXXX, not for SN AL200HHYYMMXXXX or AL500HHYYMMXXXX. Please check the 3th to 5th digits of the inverters' SN.
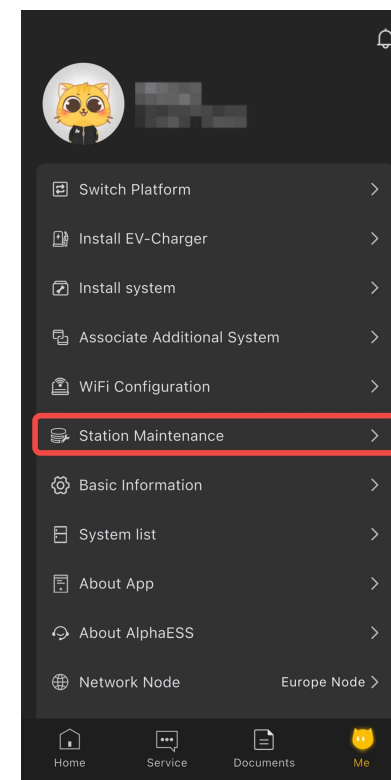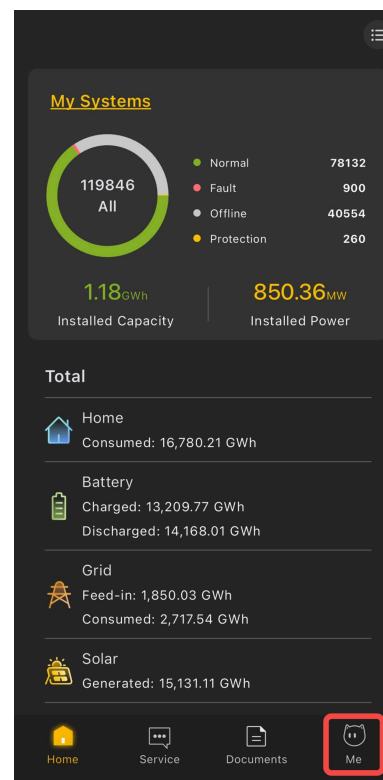
2　Installation

2.1 Use the same procedure to set up the host system as you would for a single inverter.

2.2 Use the same procedure to set up the follower system as you would for a single inverter, but note CT or meter is not necessary.

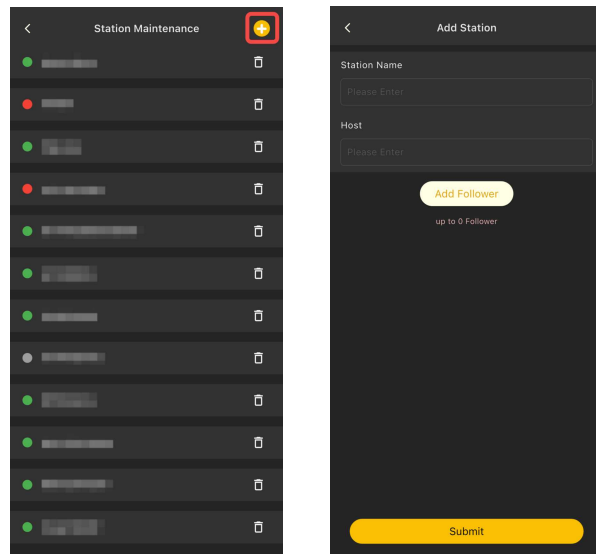2.3 Connect the RS485 ports of the two inverters using a T568B straight-through cable.
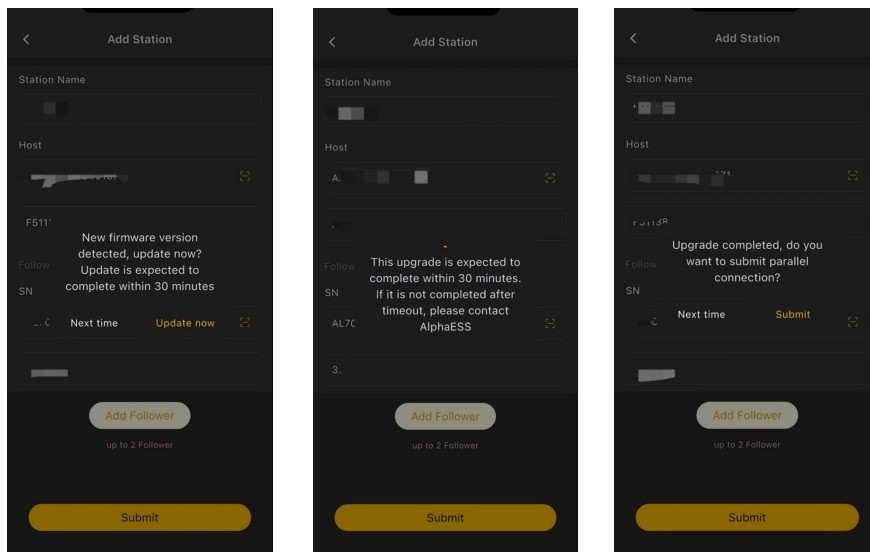

3　Commission

3.1 Use the same procedure to power on and complete the commission for host system as you would for a single inverter.

3.2 Use the same procedure to power on the follower system as you would for a single inverter. Note only the network configuration is necessary, you can skip the remaining parameters setting.

3.3 Parallel setup

3.3.1 Please click "Me" at the bottom right of the page and then click "Station Maintenacnce".

3.3.2 Please click "+" in the upper right corner, enter the station name, the sn and check code of the host and follower inverters, and then click "submit".

3.3.3 Please follow the instructions to upgrade the firmware and complete the parallel setup.

3.4 Please return to "Home" and click "My Systems" to enter the system list, then click the change icon in the upper right corner, and then you can see your station.

Wiring Diagram

SMILE5 Parallel System Wiring Diagram with CT

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SMILE5 Parallel System Wiring Diagram with DTSU666 (With CT)

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