Solis Standard Operating Procedure

S6-EH3P50k-H- Parallel Function Setup Guide version 1.0



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1. Communication Wiring

Parallel Terminal Connections

Up to 6 inverter units of the inverter can be connected in parallel. The inverters parallel communication P-A and P-B terminals should be connected in a daisy chain configuration as per the below diagram.

E.g. Inverters Master P-A >> Slave 1 P-B || Slave 1 P-A >> Slave 2 P-B

NB. Standard CAT5/6 ethernet cable can be used.



Figure 0-1 - P-A & P-B Master/Slave Wiring

The P-A and P-B communication cables are supplied with the inverter. Standard straight ethernet cables with RJ45 plugs can also be used for the parallel cables between the inverters.

2. Setting the Parallel Dip Switches

Before starting and running a parallel system ensure that both parallel dip switches 1 & 2 marked in figure 2.1-2 below are both set to the "ON" position on the first and last inverter.

These must Not be switched on or off while the machine is on.



NOTE:

If the parallel machine is connected to the first and last consoles of the parallel connection, you need to put the DIP switch on the ARM board to ON, and the middle machine is all OFF.



Figure 0-1 – Parallel dipswitch settings

3. Connecting to the Inverter via Bluetooth

Step 1: Open Solis Cloud App and select the **"Services"** icon as per below.

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Step 3: Select "Connect with Bluetooth" option



Step 4: Select the correct inverter serial number



Step 5: Log into the inverter NB. First time users must create a password



4. Master Inverter Parallel Settings

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105305023C040021		(Run
② Inverter Power ON / OFF	-		0
C Work Mode			>
① Time Setting			>
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E Battery Setting			>
🛞 Grid Code Setting			>
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Step 1: Select "Parallel Setting" menu

Step 2: Set Parallel Mode to "Parallel"



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Step 3: Set "Physical Address ID" to next # sequence

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Step 4: Set Manual Master/Slave to "Master"





Step 6: Turn Parallel Sync "On"



NB. These settings should be completed with "Parallel Sync" set to the "On" position

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Parallel Mode

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5. Slave Inverter Parallel Settings

Step 1: Select "Parallel Setting" menu

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② Inverter Power ON / OFF	
🗘 Work Mode	>
① Time Setting	>
令 Grid Feed in Power Limit	>
Battery Setting	>
🛞 Grid Code Setting	>
🚯 Backup Setting	>
佳 Smart Port	>
Advanced Setting	>
면 Parallel Setting	>
net Quick Setting	>
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Step 2: Select "Parallel" from the Parallel Mode menu





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Parallel Mode	Parallel >
Physical Address ID	2 > (
Manual Set Master/Slave	Slave >
Total Number Of Hybrid Inverters Conn	ected 2 >
Parallel Sync	

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Step 4 : Set Manual Master/Slave to "Slave







Step 6 : Turn off "Parallel Sync"



NB. These settings should be completed with "Parallel Sync" set to the "Off" position on the slave inverters.

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