Solinteg MPPT Parallel Solution

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CONTENT

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01
Brief Introduction

Brief Introduction

Purpose

To meet customers' needs for accessing high-power solar panels, providing customers with more options when selecting solar panels.

Solution

PV: Connection via Y-type MC4 connector or external junction box

Inverter: Turn on the MPPT parallel function

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02
Solution

Solution

Solution	Max. Total DC Input *	Wiring Mode	Applicable Model * *			
A	30A	Y-type Connector	MHS-4.2K-30 MHS-5K-30 MHS-6K-30 MHS-8K-30	MHT-4K-25 MHT-5K-25 MHT-6K-25 MHT-8K-25 MHT-10K-25 MHT-12K-25	OGS-3.6K OGS-4.2K OGS-5K OGS-6K	
B	60A/60A	Junction Combiner Box	MHT-25K-100 MHT-30K-100 MHT-36K-100 MHT-40K-100 MHT-50K-100			
C	30A/15A	Y-type Connector	OGS-7K OGS-8K OGS-10K	OGT-12K OGT-15K	OGT-8K-P OGT-10K-P	OGT-8K-AU
D	30A/30A	Y-type Connector	OGT-20K OGT-25K	OGT-12K-P OGT-15K-P		
E	60A	/ * * *	MHT-40K-100-P MHT-50K-100-P			

* : Max. Total DC Input is the combination of all PV inputs current.
* * : This function is only available for the listed models.
* * * : The MPPT has been connected in parallel inside the inverter.

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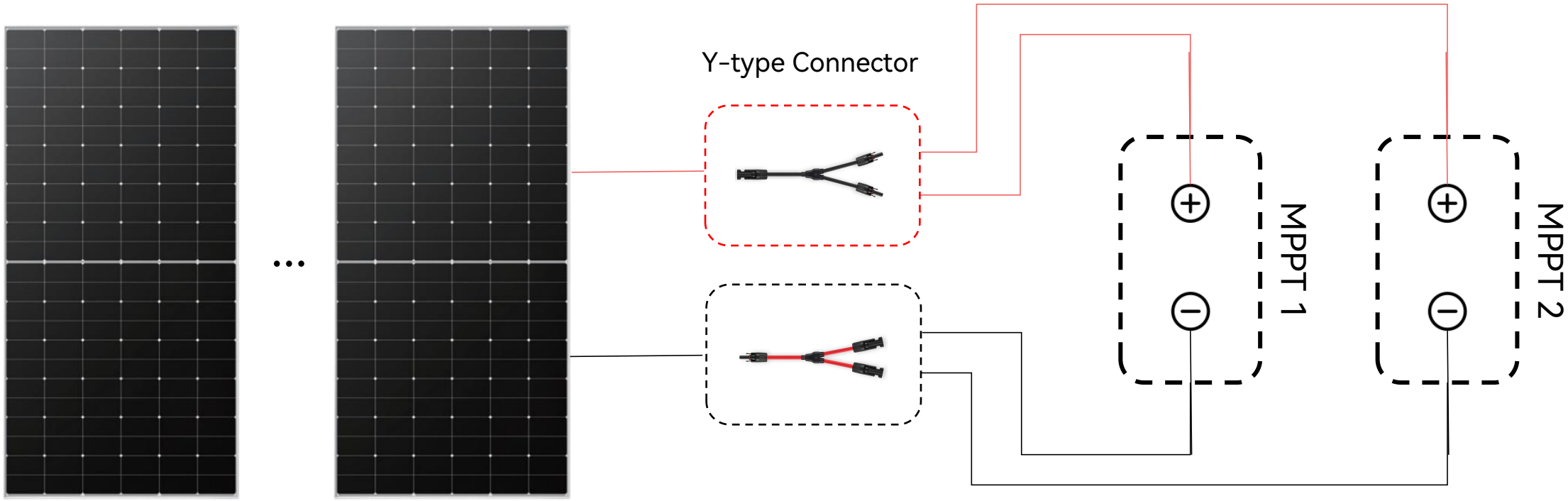
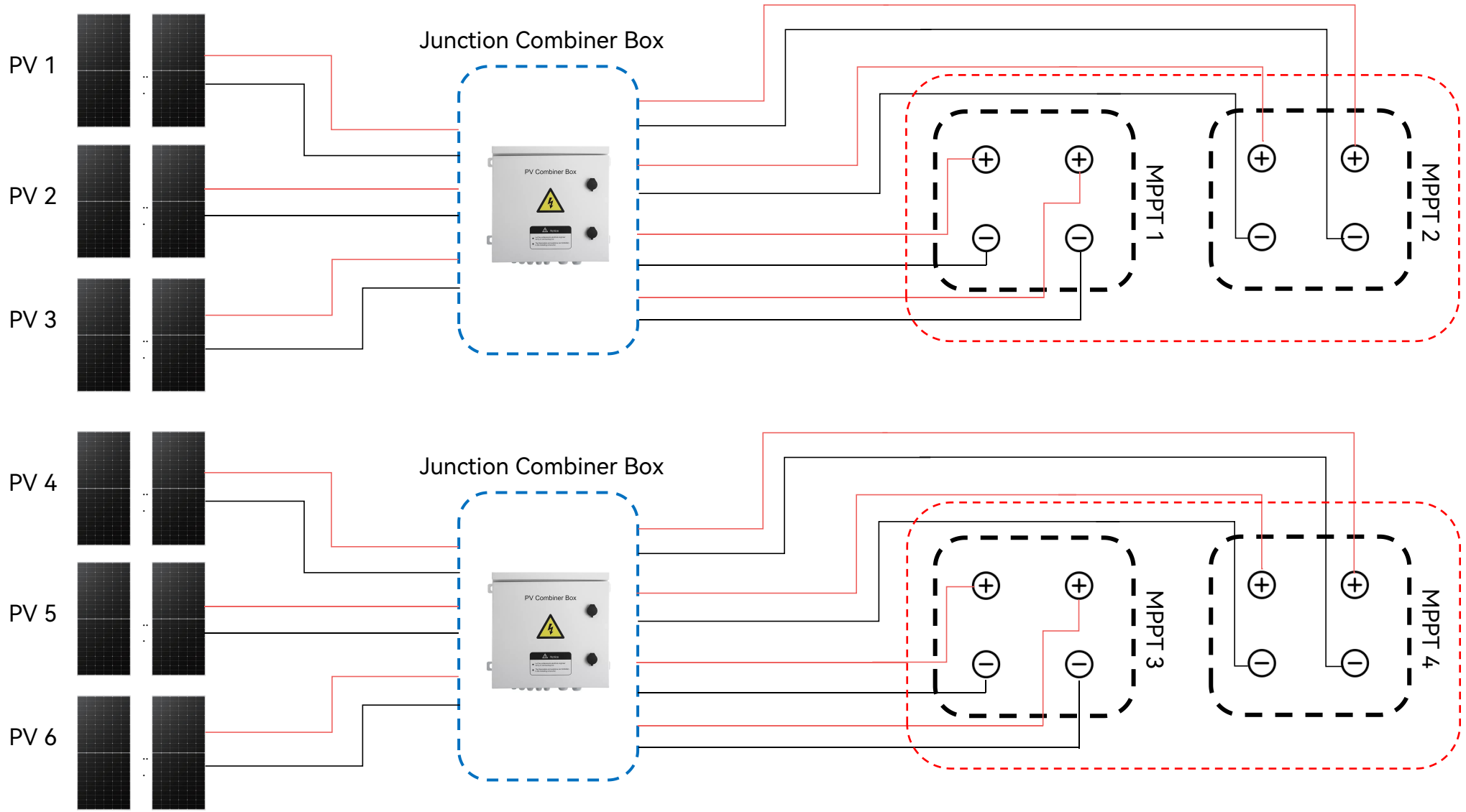
Solution A



15A < PV Impp <30A

Solution B



15A < PV Impp <20A

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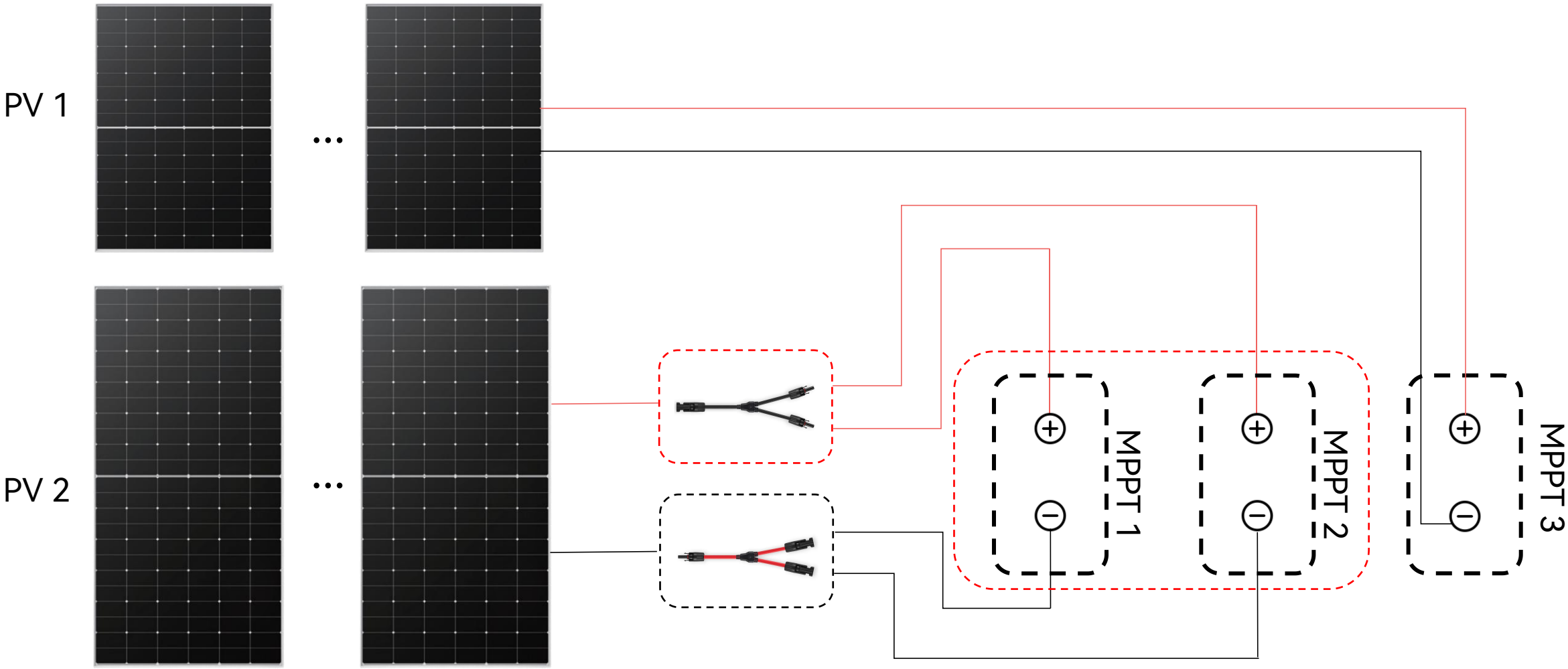
Solution C



MPPT1&2*: One string solar panels with 30A Max. output current can be connected.
(*: The paralleled MPPT must be MPPT 1 and MPPT 2.)
MPPT3: One string solar panels with 15A Max. output current can be connected.

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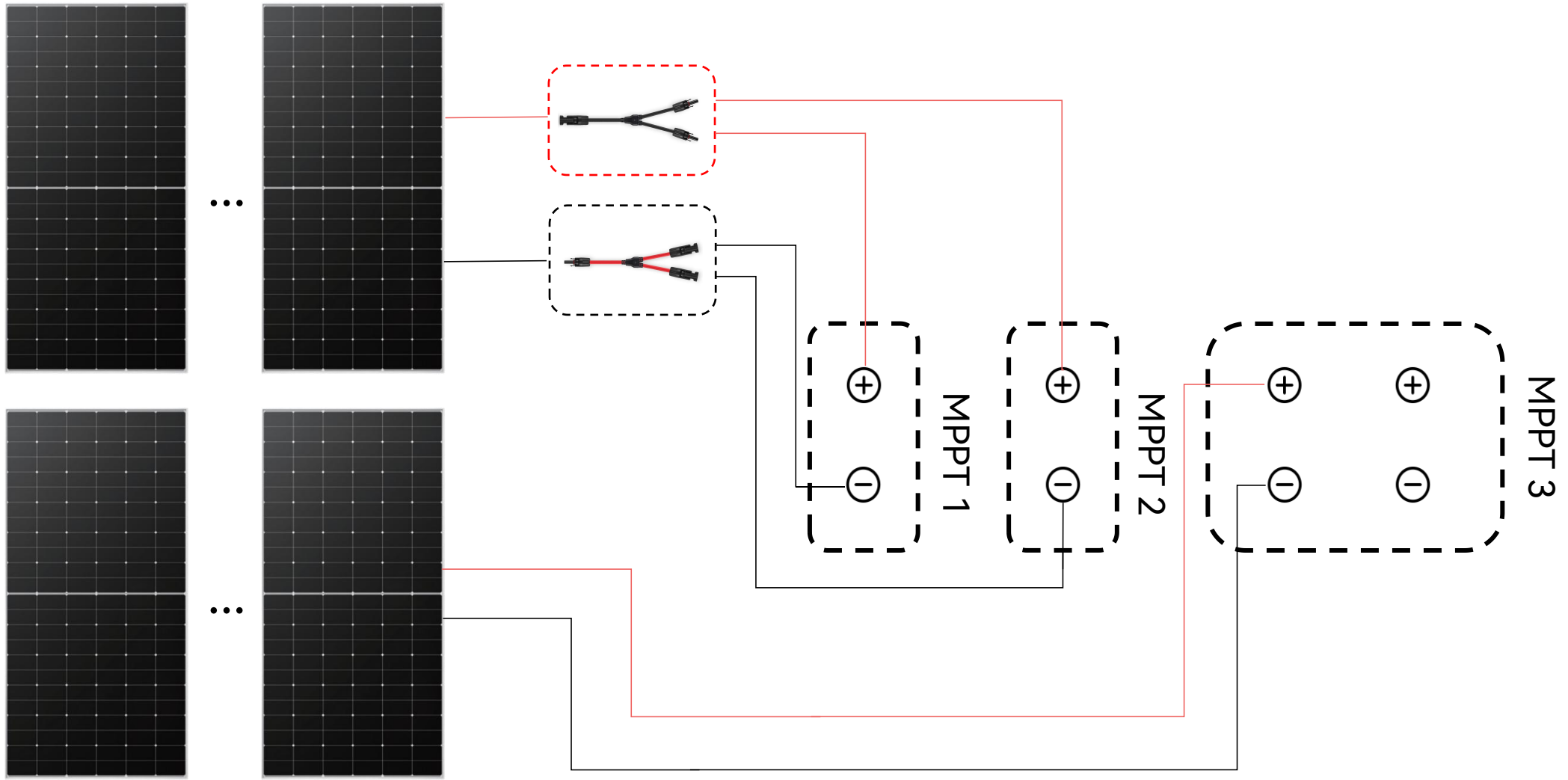
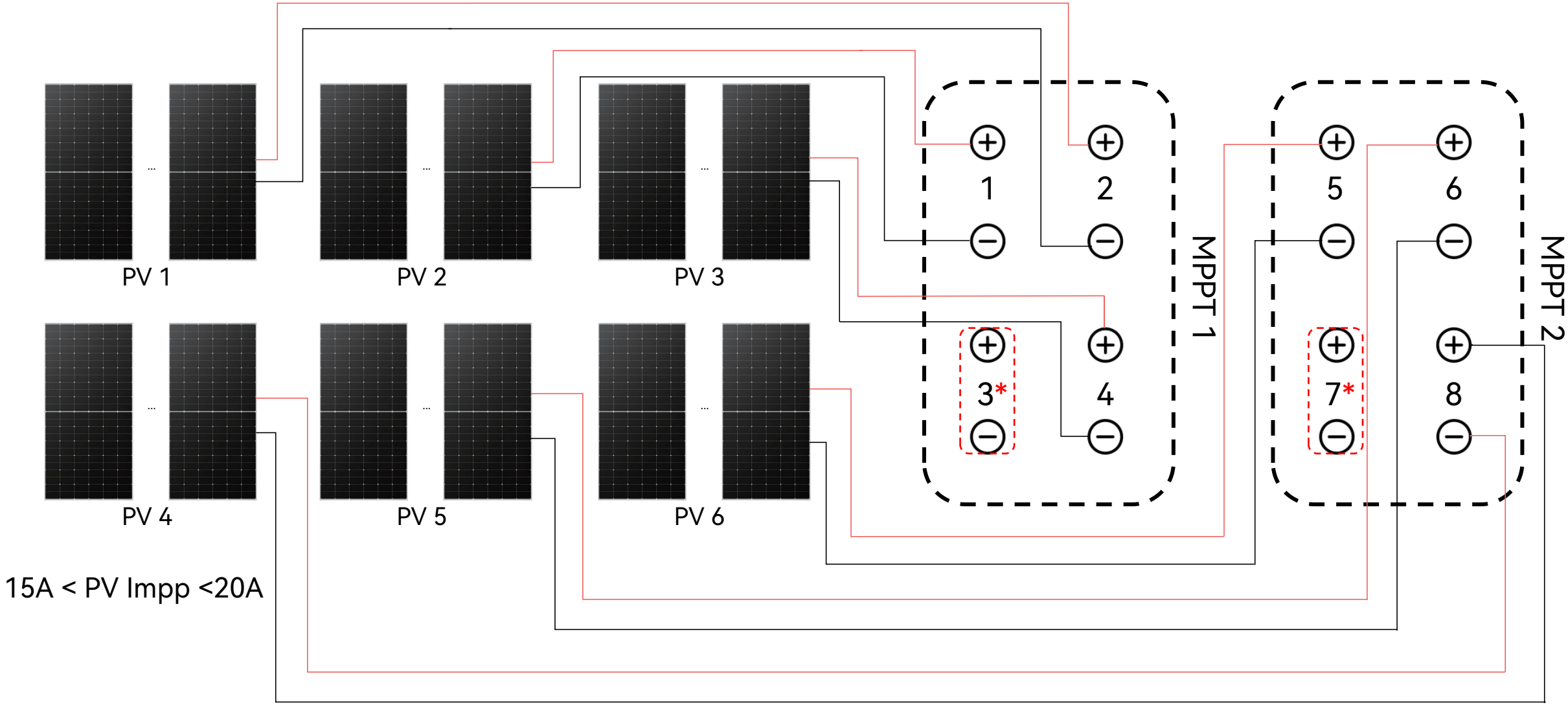
Solution D



15A < PV Impp <30A

Solution E



* : PV input 3 and 7 are not available in the parallel solution.

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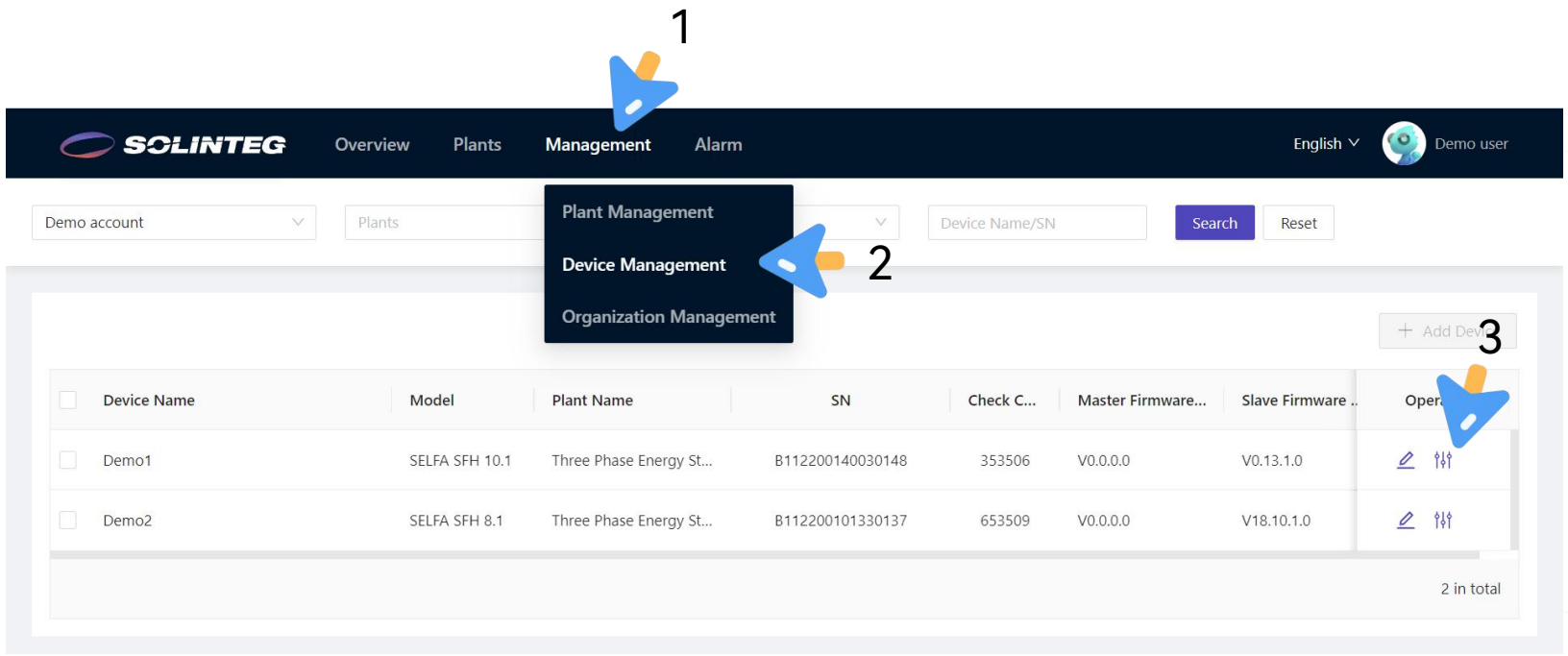
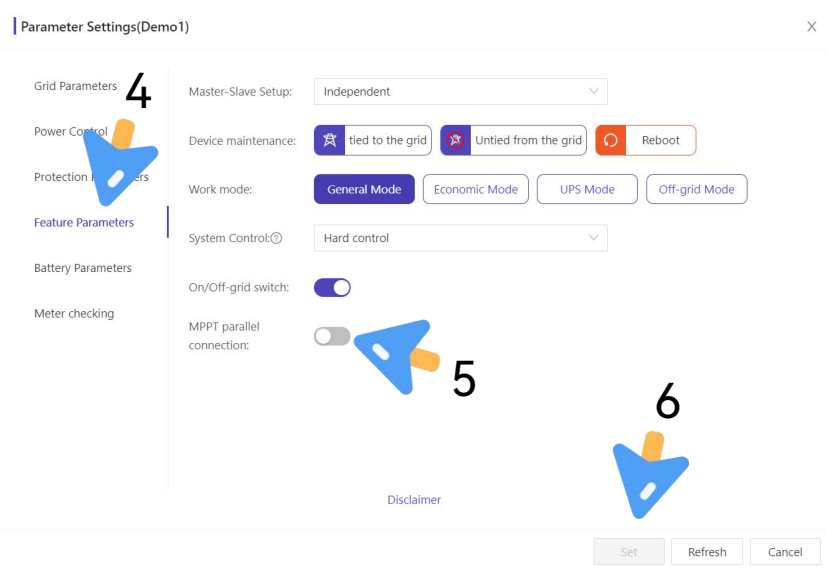
03
Inverter Settings

Inverter settings-Web portal

Solinteg monitoring portal settings path:





After the physical wiring is completed, enable the MPPT parallel function through one of the three ways.

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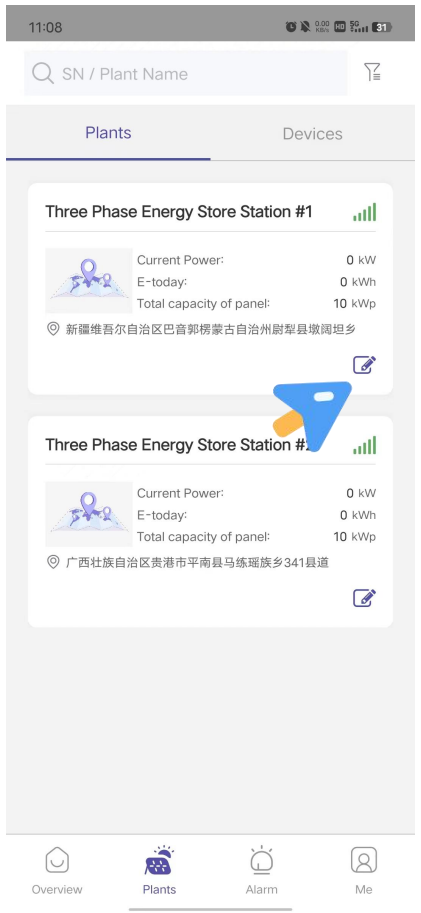
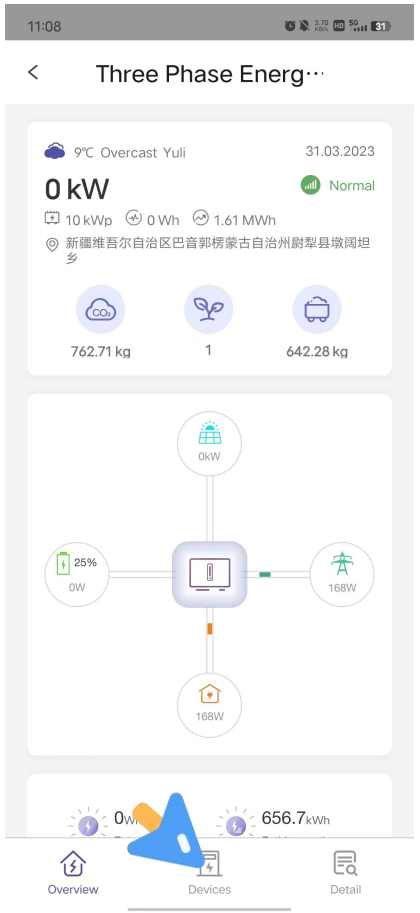
Inverter settings-APP

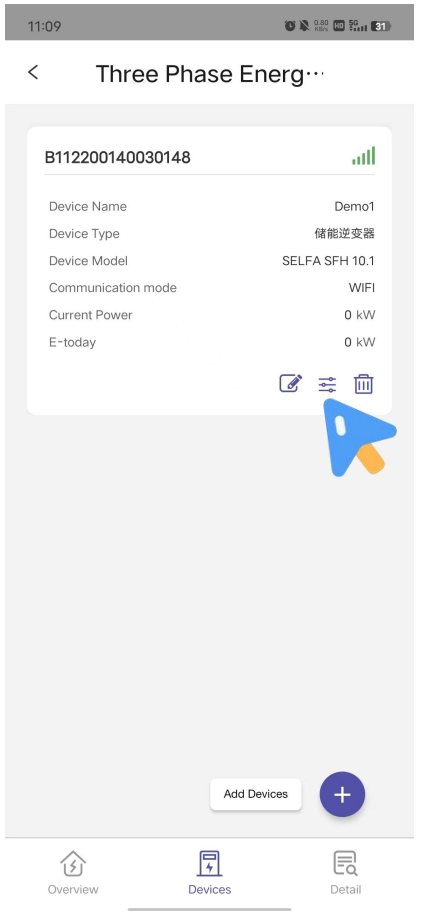
APP settings path:



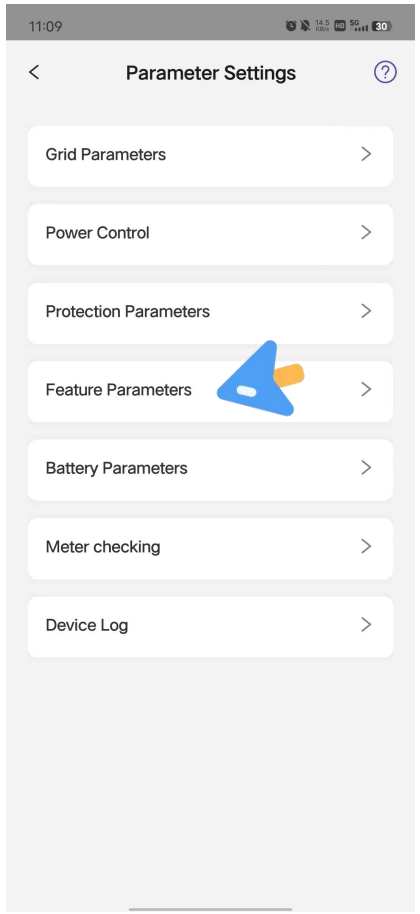
Step1



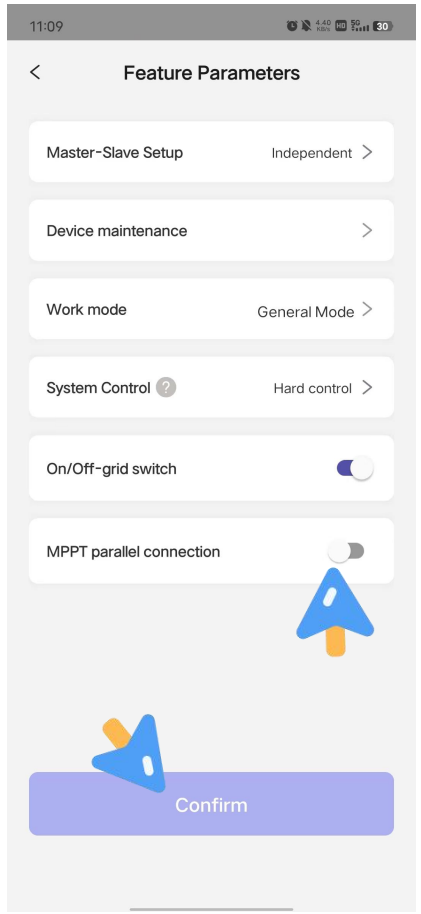
Step2



Step3



Step4



Step5

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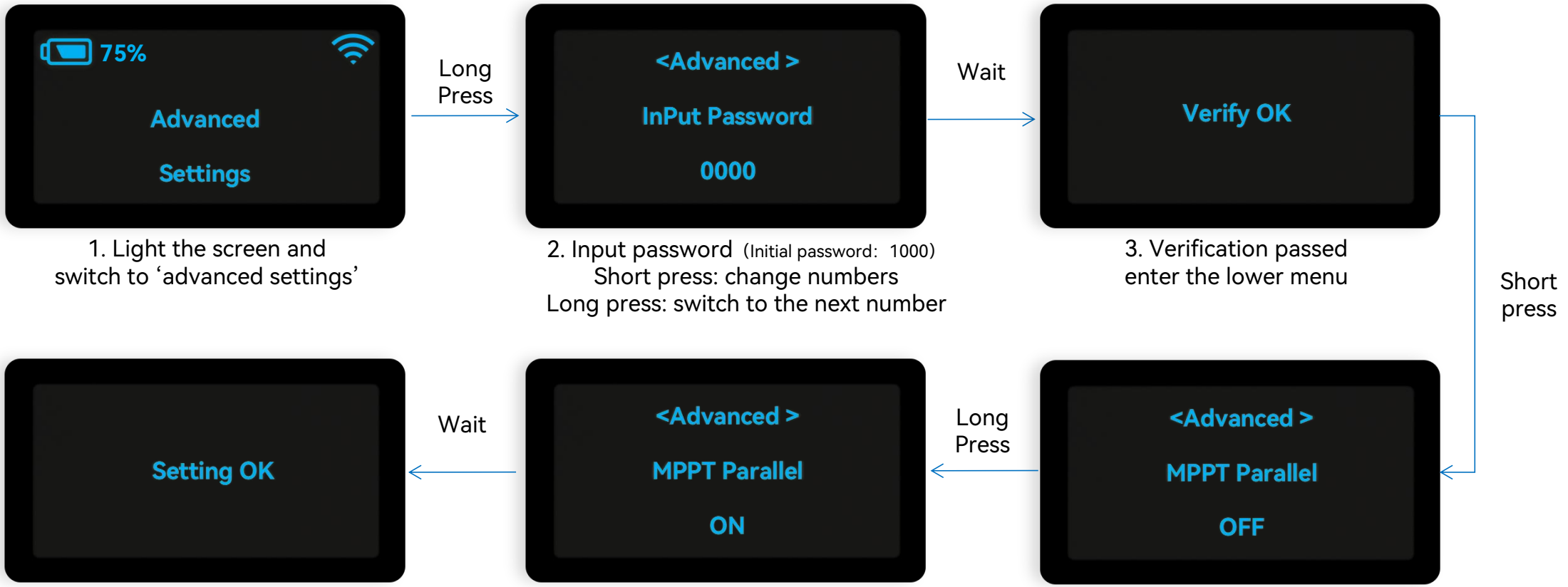
Inverter settings-Screen



1. Light the screen and switch to 'advanced settings'

2. Input password (Initial password: 1000)
Short press: change numbers
Long press: switch to the next number

3. Verification passed enter the lower menu

4. Short press to switch to 'MPPT Parallel'

5. Short press to switch to 'ON'

6. Just wait, the inverter will save settings automatically.

Setting guidance:
Short press(1s): switch window.
Long press(3s): enter the lower Menu.
Wait: no need to press, please wait for 10 seconds and the inverter will automatically save your settings or modifications.

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THANK YOU

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