

SETTING GUIDE

Xcellent Plus Deye Inverter



1 Battery Dial Setting

Battery Switch Position

Inverter Dial

1.1.0.1.0.0

For parallel battery systems, set the dial switch **only** on the master battery as specified, and leave slave batteries at default settings.

Address Dial

Code	Dial Switch Position	Definition
01		Set as Battery 1 or the single battery operation (communicate with the inverter)
02		Set as Cluster 2
03		Set as Cluster 3
04		Set as Cluster 4
05		Set as Cluster 5
06		Set as Cluster 6
07		Set as Cluster 7
08		Set as Cluster 8
09		Set as Cluster 9
10		Set as Cluster 10
11		Set as Cluster 11
12		Set as Cluster 12
13		Set as Cluster 13
14		Set as Cluster 14
15		Set as Cluster 15

Set the dial codes sequentially for each battery when connected in parallel, supporting up to **15 units**.

Function Dial

Single Xcellent Plus:

Two Xcellent Plus:

Three Xcellent Plus:

*Set the Function Dial on the master and last slave batteries to **1.0.0.0.0.0**, and the middle slave battery to **0.0.0.0.0.0**.

2 Battery & Inverter Communication Cable Settings

Battery-Side Interface Point for Inverter Wiring

Inverter-Side Interface Point for Battery Wiring

The 2m communication cable is for battery parallel. Two of 1m cables for connection with the Can box, and then connect battery with inverter (shown below).

*When connecting the battery and inverter with this box, configure the dial switches as illustrated.

CAN

RS485

3 Inverter Settings

Select lithium battery mode and activate the battery

For battery capacity, if one battery has 16 kWh, enter 314 AH. If two batteries are connected in parallel, enter 314 AH*2, and so on up to 15 batteries.

Set "Lithium Mode" to "00" and change the battery SOC value of "Shutdown", "Low Battery", "Restart" based on the actual needs.

Lithium Mode: This is BMS protocol. Please reference the document (Approved Battery).
Shutdown 10%: It indicates the inverter will shutdown if the SOC below this value.
Low BATT 20%: It indicates the inverter will alarm if the SOC below this value.
Restart 40%: Battery voltage at 40% AC output will resume.

4 End Settings

For further inquiries or assistance, please scan the QR codes below for more support.

Technical Support

Website

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*Parameters for other inverters can be adjusted according to specific customer requirements.