

Xcellent Plus Growatt Inverter



Model Example: Growatt SPF Inverter

1 Battery Dial Setting

Battery Switch Position

Inverter Dial

0.0.1.1.0.0

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:

Master

Master

Last Slave

Three Xcellent Plus:

Master

Middle Slave

Last Slave

*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.

ANI H L

CAN

A B

RS485

3 Inverter Settings

05 Battery type

bAtE AC1 005

bAtE FLd 005

bAtE L1 005

bAtE USE 005

bAtE US2 005

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RS485 Communication protocol

Protocol 1 PtCL L01 036

Protocol 2 PtCL L02 036

Protocol 50 PtCL L50 036

CAN Communication protocol

Protocol 51 PtCL L51 036

Protocol 52 PtCL L52 036

Protocol 99 PtCL L99 036

4 End Settings

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

Technical Support

Website

*Press and hold the Enter key to enter the setup mode, find the protocol setting ProToI, select L1 005 and L01 36.

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