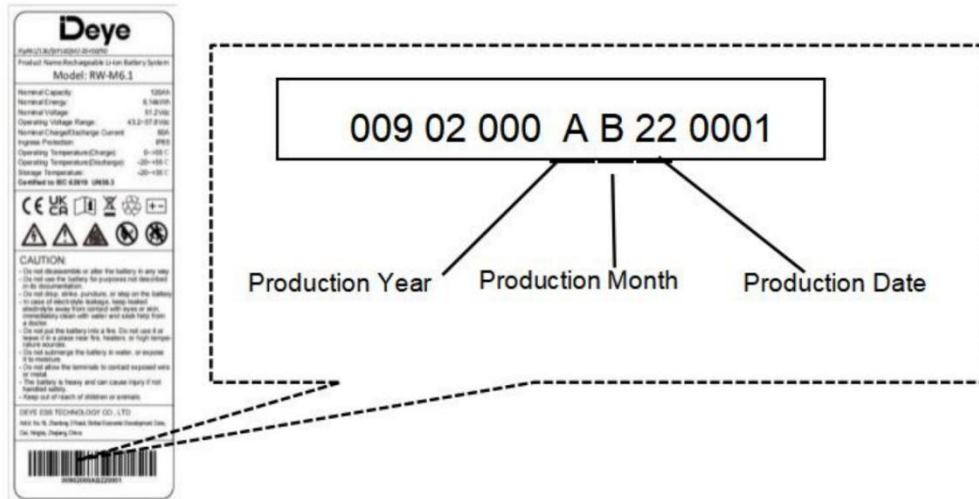


SN identification method

The production date of the product can be determined from the serial number on the product label, as illustrated below. The serial number of the battery module corresponds to the production date.



009	02	000	A	B	22	0001
			Year	Month	Day	

The year of production: The 9th digit represents the year of production, in capital letters. The year 2022 is A, 2025 is D and so on. The 26-letter cycle ends and continues from A.

The month of production: The 10th digit represents the month of production, 1 to 9 in numerals, A for 10, B for 11, C for 12.

The date of production: The 11th digit represents the date of production, 01 to 31.

TIPS:

BOS-GM5.1=BOS-G

BOS-G Pack5.1=BOS-G Pro

GB-LM4.0=GB-L

GB-L- Pro-Pack4.09=GB-L- Pro

BOS-GM5.1 Extension

NOTICE: Do contact the after-sales staff at Deye before battery system expansion. Otherwise it will affect the warranty.

1. In-Cluster capacity extension

1.1 The solution of customer's original BOS-GM5.1 system extension along with new BOS-GM5.1

Step 1: Verify the battery serial number (SN). If the manufacturing date difference between the new and old batteries is within one years, capacity extension is allowed.

Step 2: Prior to the extension, ensure the original system is fully charged to 100% State of Charge (SOC), and the new battery is also charged to 100% SOC. If fewer than 4 pcs batteries are being added, use the charger for charging; if 4 pcs or more than 4 pcs batteries are added, use the inverter for charging. For further details, please contact the after-sales staff at Deye.

Note: 1. When using the BOS-G high-voltage box, a cluster can only use 12 battery packs.

2. When charging 4 pcs or more than 4 pcs BOS-GM5.1 battery packs to full capacity using an inverter, the high-voltage box will display a SOC of 100% and a current reading of 0A.

3. For single-pack charging procedures, adhere to the BOS-GM5.1 battery pack charging manual. If you need to check whether the battery pack of the single package is full charge, the historical data read by the upper computer shall prevail.

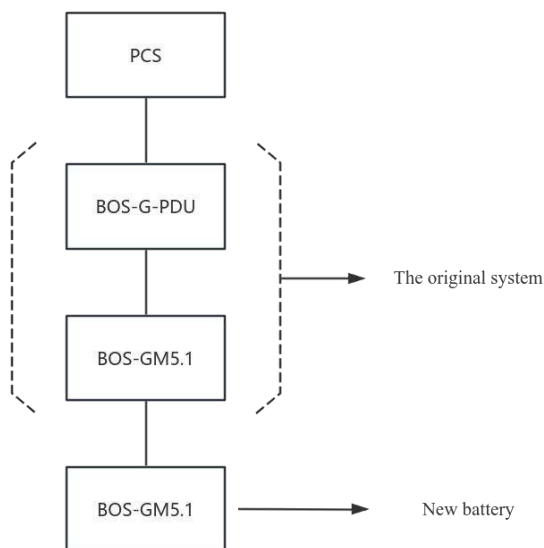


Figure 1 Network diagram

1.2 The solution of customer's original BOS-GM5.1 system extension along with new BOS-G Pack5.1.

Step 1: Verify the battery serial number (SN). If the manufacturing date difference between the new and old batteries is within one years, capacity extension is allowed.

Step 2: Prior to the extension, ensure the original system is fully charged to 100% State of Charge (SOC), and the new battery is also charged to 100% SOC. If fewer than 4 pcs batteries are being added, use the charger for charging; if 4 pcs or more than 4 pcs batteries are added, use the inverter for charging. For further details, please contact the after-sales staff at Deye.

Note: a. When using the BOS-G high-voltage box, a cluster can only use 12 battery packs.

b. When charging 4 pcs or more than 4 pcs BOS-G Pack5.1 battery packs to full capacity using an inverter, the high-voltage box will display a SOC of 100% and a current reading of 0A.

c. For single-pack charging procedures, adhere to the BOS-G Pack5.1 battery pack charging manual. If you need to check whether the battery pack of the single package is full charge, the historical data read by the upper computer shall prevail.

d. Due to the different wiring harnesses of the two types of batteries, it is necessary to contact sales to place an order for a special accessory package in order to charge a single battery pack and connect two battery packs in series.

The after-sales accessory package is 10100602000085. The following is the content of a set of BOS-G accessory package:

Material Number	Purpose	Quantity
30221105000664	BOS-G Pack 5.1 terminal resistance	1
30221105001456	The communication cable between the BOS-GM5.1 battery pack and the BOS-G Pack5.1	1
30221107000064	BOS-G high-voltage box, power line of the last BOS-G Pack 5.1 battery pack	1
30221107001021	The power cable between the BOS-GM5.1 battery pack and the BOS-G Pack5.1	1
30221107000063	The series power line from the BOS-G high-voltage box to the BOS-G Pack5.1 battery pack (to be used when all the components below the BOS-G high-voltage box are BOS-G Pack5.1 battery packs)	1

e. Due to the different wiring harnesses of the two types of batteries, it is necessary to contact sales to place an order for a special accessory package in order to charge a single battery pack and connect two battery packs in series.

2. Cluster and cluster capacity extension

2.1 The solution of customer's original BOS-GM 5.1 system extension along with new BOS-GM5.1 cluster.

Step 1: Verify the battery serial number (SN). If the manufacturing date difference between the new and old batteries is within two years, capacity extension is allowed.

Step 2: Update the firmware of the original system and the new system's BOS-GM5.1 high voltage box to the same version. (Seek assistance from Deye staff for the update.)

Step 3: Charge the original BOS-G system and the new BOS-GM5.1 system to full capacity, then connect them to the combiner box.

Step 4: Initiate BOS-G BMS 1 (master) first, and subsequently activate BOS-G BMS 2 (slave) once the BMU has been fully recognized.

Items to note:

1. Please ensure to purchase the 300A Combiner box manufactured by Deye before proceeding with the extension. (Combiner box material number: 10100802000004)
2. The quantity of batteries under all high-voltage boxes must be kept uniform to maintain an equal voltage level.
3. It is recommended to fully charge the battery cluster that needs expansion separately from the original battery cluster, and then perform the parallel connection.
4. The high voltage box of BOS-G can only withstand a maximum of 12 batteries, so the number of batteries should be **less than 12 or 12**.

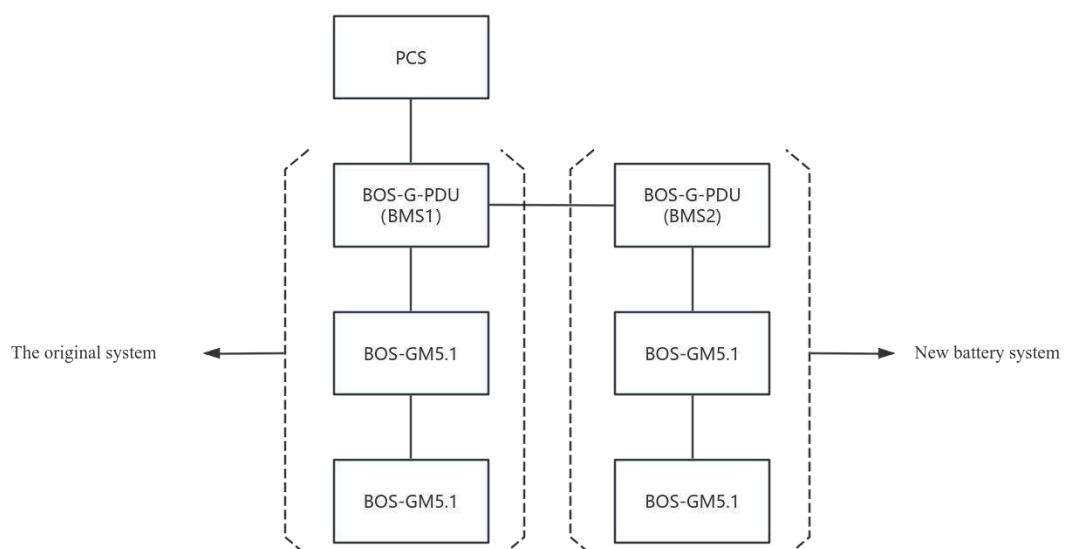


Figure 2 Network diagram

2.2 BOS-GM5.1 Cluster and BOS-G Pack5.1 cluster capacity extension

Step 1: Verify the battery serial number (SN). If the manufacturing date difference between the new and old batteries is within two years, capacity extension is allowed.

Step 2: Upgrade the BOS-GM5.1 high voltage box firmware to the latest version: Firmware version HVCUE1623B20S03 1FF5. BOS-G Pack5.1 Maintain production firmware version: Firmware version is greater than 5002

Step 3: Charge the original BOS-GM5.1 system and the new BOS-G Pack5.1 system to 100% respectively and connect them to the combiner box

Step 4: Initiate BOS-G-PDU BMS 1 (master) first, and subsequently activate BOS-G PDU-2 BMS 2 (slave) once the BMU has been fully recognized.

Items to note:

- a. Please ensure to purchase the 300A Combiner box manufactured by Deye or other brand Combiner box before proceeding with the extension. (Combiner box material number: 10100802000004)
- b. The quantity of batteries under all high-voltage boxes must be kept uniform to maintain an equal voltage level.
- c. It is recommended to fully charge the battery cluster that needs expansion separately from the original battery cluster, and then perform the parallel connection.
- d. The number of newly added BOS-G PACK5.1 battery packs should be consistent with the original number of BOS-GM5.1 battery packs.

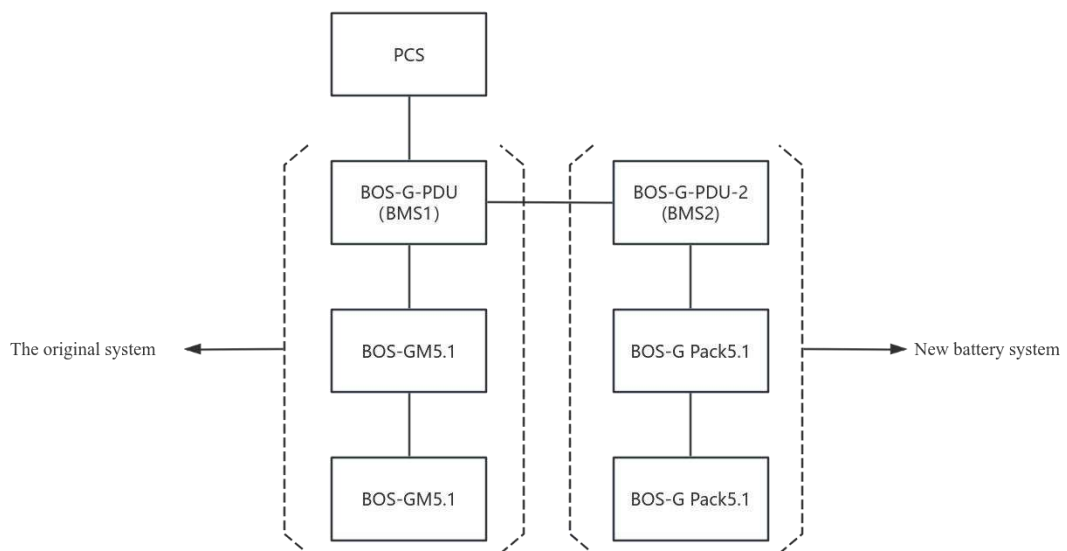


Figure 3 Network diagram

3.Operation Guidance For Single BOS-GM5.1Recharge



4.BOS-GM5.1 Charging Tools

PN	SN
B+/B+Battery connecting line single PIN	30221105000073
B-/B-Battery connecting line single PIN	30221105000080
Supplementary charging harness UL2426 22AWG black 2-pin	30221105000071
P+ orange terminal connector	30220405000097
P- Black terminal connector	30220405000096
BMS-BMU battery communication line	30221105000052
CAN BOX	30314100000041