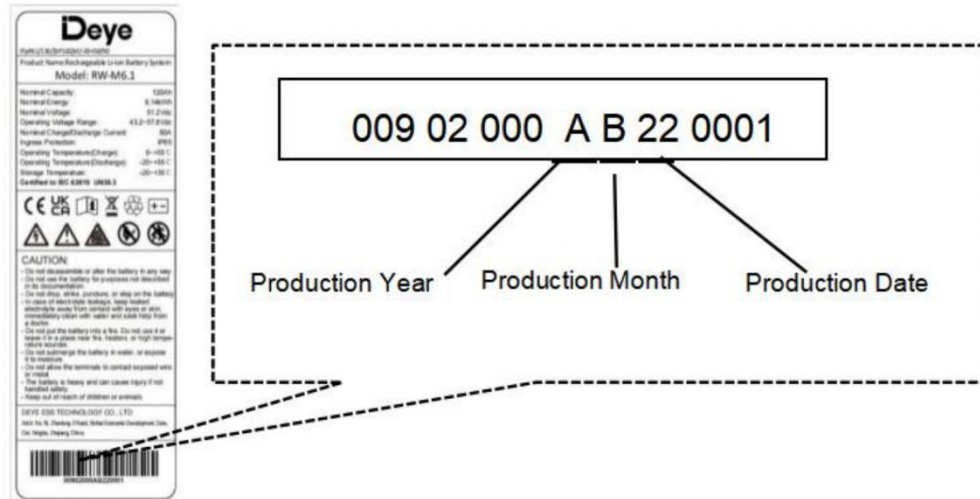


SN identification method

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

GB-L 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 GB-L system extension along with new GB-L battery modules.

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

Step 2: Before extension, the original system should be fully charged to 100% SOC, and the new battery should be fully charged to 100% SOC. If there are **only 1** batteries added, the charger should be used for charging, and if there are **2 or more than 2** batteries added, the inverter should be used for charging. Please contact the after-sales staff of Deye for details.

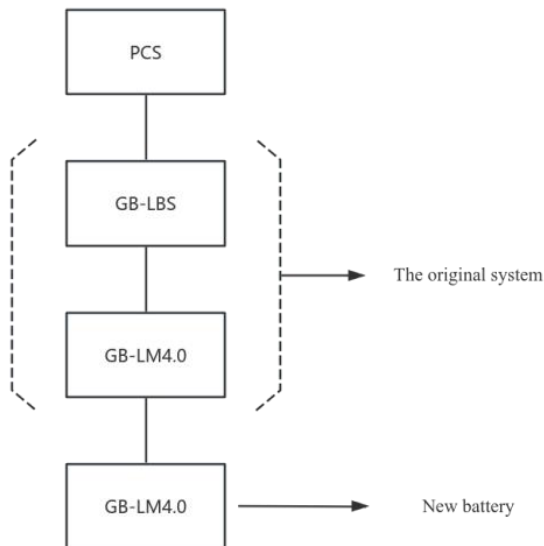


Figure 1 Network diagram

1.2 The solution of customer's original GB-L system extension along with new GB-L Pro battery modules.

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

Step 2: GB-L Pro has two different types of battery cells. Before extension, It is necessary to check whether the cell types of GB-L and GB-L Pro match. Please contact the after-sales staff of Deye for details.

2.Cluster and cluster capacity extension

2.1 The solution of customer's original GB-L system extension along with new GB-L cluster(GB-L Pro 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: Charge the cluster separately to 100% to ensure capacity balance, and upgrade the software of the GB-LM4.0 high-voltage box to HVCUE3225304N02_2006. (When the battery system that needs to be expanded is the GB-L Pro, the battery firmware of GB-L needs to be upgraded to HVCUE3223B20C2T_2FF4)

Step 3: Connect the GB-LM4.0 cluster battery and the GB-L PRO cluster battery to the combiner box respectively.

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

Items to note:

- 1.Before capacity extension of groups, please conduct a battery charge and discharge cycle first, and contact the after-sales staff of Deye Battery for further support.
- 2.GB-LM4.0 uses normal temperature cells, and GB-L PRO uses low temperature cells. The system does not support low temperature operation after the two types of batteries are used together.
3. The GB-L high-voltage box must be used as the host, and the last GB-L PRO high-voltage box must be plugged into a 120Ω terminal resistance.
4. It is recommended to fully charge the battery cluster that needs expansion separately from the original battery cluster, and then perform the parallel connection.

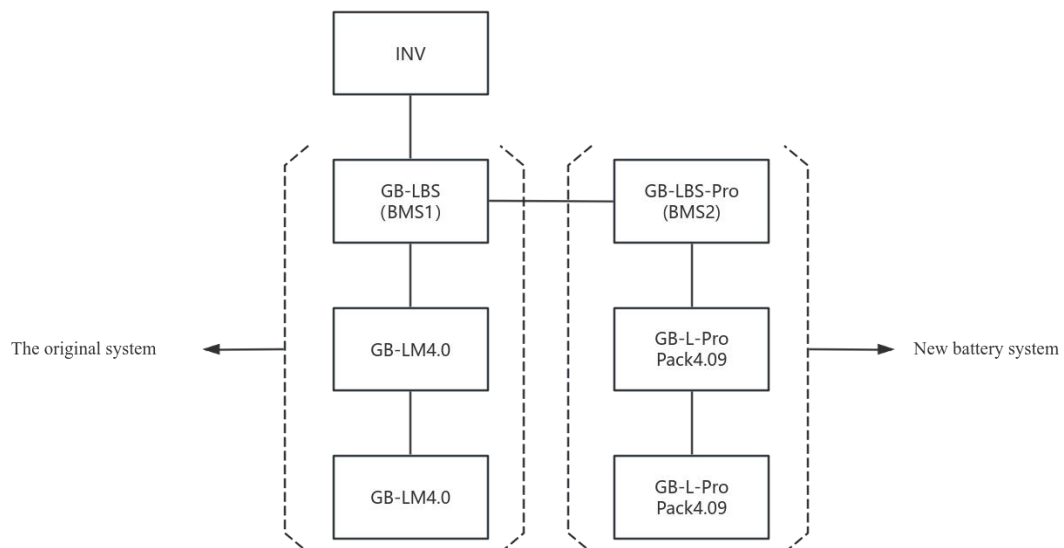


Figure 6 Network diagram

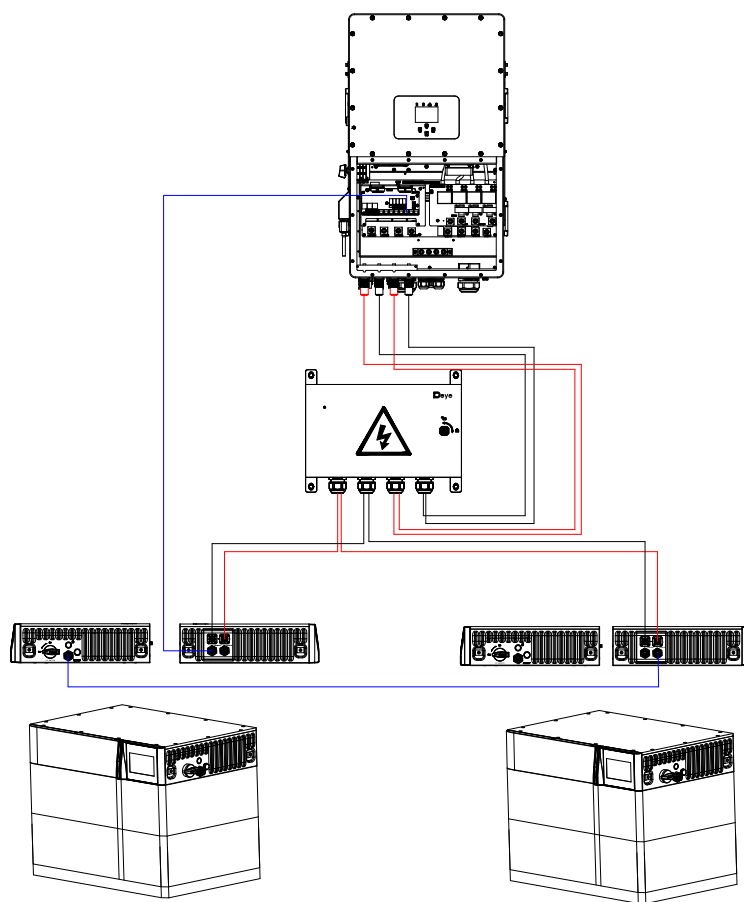


Figure 7 Group and group capacity extension wiring diagram

3. GB-L Pro Operation Guidance



4.Charging Tools

PN	SN
Supplementary charging harness UL2426 22AWG black 2-pin	30221105000071
P+ orange terminal connector	30220405000285
P- Black terminal connector	30220405000286
CAN BOX	30314100000041