

## Build a Green Home and Reduce Your Electric Bill

Enjoy energy savings and a greener home with L02B. By using solar panels and an PV inverter in combination with L02B, you can generate your own clean, renewable energy and reduce your reliance on your electric company. During the day, the solar panels will generate electricity for your home appliances, with any excess electricity stored in L02B.



At night, L02B Home Battery will provide electricity to your home appliances, giving you a reliable source of energy. With its 5.12kwh capacity and the ability to connect up to 8 L02B in parallel to expand the capacity, you can have peace of mind at night.



## Technical Parameters







Battery Type				
Battery Type	Li-ion(LFP)			
Nominal Voltage [V]	51.2	51.2	51.2	51.2
Operating Voltage [V]	44.8-57.6	44.8-57.6	44.8-57.6	44.8-57.6
Battery Module Qty in parallel (Optional)	1	2	3	4
Rated Capacity [Ah]	105	105	105	105
Total Energy [kWh]	5.12	10.24	15.36	20.48
Usable Energy [kWh]	4.61	9.22	13.82	18.43
Nominal Charge/Discharge Current[A]	50/50	100/100	150/150	200/200
Max Charge/Discharge Current [A]	95/95	190/190 (Not recommended to continuously use)	285/285	380/380
Cycle Life*	6000, 25°C (Test conditions, at 25°C, charge/discharge rate is 0.2C, 80%DOD)			
Depth of Discharge	90%			
Warranty	5 years (10 years compensation)			
Operating Temperature				
Operating Temperature	Charge: 0°C~55°C / Discharge: -20°C~55°C			
Humidity [%]	5% to 90%, (no condensing)			
Altitude	Below 2000m			
Safety Protection Device	software/hardware protection, fuse, active fuse, fire extinguisher			
Ingress Protection	IP65			
Battery to Inverter	CAN2.0			
Battery to Battery	RS485			
Inverter Selection	DIP switch			
State	LED*1(white and red)			
SOC	LED*4			
Parallel	≤8			
Certification & Safety Standard	TUV/CE/IEC/UN38.3			
EMC	EN IEC 61000-6-1:2019, EN IEC 61000-6-3:2021			
Unit Dimensions(W*H*D) [mm]	370*600*225			
Unit Weight [kg]	52			
Included Accessories	Wall-mounting Bracket, Length: 550mm RJ45 Plug			

# DMEGC

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# DMEGC

## L02B Home Battery

-  **2** mounting methods, perfectly fit into your home design
-  **2** meters drop resistance, stable and reliable
-  Easy setup, reduce installation cost to **1/5**
-  **IP65** graded, suitable for various use environments
-  **5** layers of protection, safety is under control
-  **Remote** status monitor





## Cost Savings with the Simple and Beautiful Setup

Installing a home battery doesn't have to be complicated or expensive. L02B is designed for fast and easy installation with no special tools required. In just a few simple steps, you can have a setup that will save you money on installation costs and give you a beautiful end result. Mount L02B on the wall with the wall bracket or on the floor; connect the battery and inverter; and rotate the DIP switch to the corresponding number of the inverter. In no time you'll be enjoying the power of your L02B home battery system.



## Sleek Design for Easy Home Integration

L02B offers an elegant design that fits in seamlessly with your home decor. With its white and gray body and five LED lights that form the shape of wings, L02B adds a stylish and functional accent to any room. And, with its four arcs that are the same across all DMEGC home batteries, you can enjoy a unified, harmonious look.



## Get Flexible Installation with L02B

L02B is designed for easy and flexible installation. This highly efficient and reliable home battery can be installed either on the wall or simply placed on the floor, providing you with the convenience and flexibility to find the best spot for your home.



## Get Easy Control and Convenience with the Remote Control System

Users can choose to add a wifi monitor (optional) for added convenience and control. This remote control system allows users to monitor the battery via an app, making it easy to track power consumption and production, battery status, and software upgrades. With the Remote Control System, users can easily manage their battery and enjoy better after-sale service from DMEGC.



## Maximum Safety with the Comprehensive Protection



This system is designed with multi-layer protection to ensure a safe and reliable energy source. BMS (Battery Management System) is at all times taking care of your safety, protecting your device from every potential risk. While the smart software monitors the battery status and sends instructions to notify the relay to power off if necessary. Additionally, the fuse provides further protection, and the built-in fire extinguisher (optional) provides an extra layer of security.

## Durable Protection in All Conditions

L02B is designed for maximum durability and protection. Its IP65 protection and two-meter drop resistance make it a reliable and resilient energy source, even in the toughest conditions. With this battery, you can enjoy peace of mind knowing that your power source is safe and secure. L02B is the perfect solution for anyone looking for a dependable power source that can withstand the elements.



## 6000+ Life Cycles with High-Quality LiFePO4 Cells



Enjoy reliable, long-lasting power with the L02B Powered by high-quality LiFePO4 cells and an advanced SOC and SOH algorithm, L02B provides over 6000 life cycles of dependable power, so you can count on it when you need it most. Get the energy you need with a battery you can trust.