

## Save Costs with a Simple and Elegant Installation

When it comes to installing a home battery, simplicity and affordability are key. The M01 is specifically designed for a quick and effortless installation, requiring no specialized tools. With just a few straightforward steps, you can complete the setup and reduce installation expenses. Mount the M01 on the wall using the provided wall bracket, connect the solar panel and micro-inverter, and in no time, you'll experience the benefits of your M01 home battery system.



## Technical Parameters

|                                          |                          |
|------------------------------------------|--------------------------|
| Product Type                             | M01                      |
| Battery Type                             | Li-ion ( LFP)            |
| Nominal Voltage                          | 51.2V                    |
| Nominal Capacity                         | 30Ah                     |
| Total Energy                             | 1.536kWh                 |
| Operating Voltage                        | 48-57.6V                 |
| DC Input Voltage range [Ude min-Udc max] | 10-90V                   |
| MPPT Voltage                             | 20-90V                   |
| Standard Charge/Discharge Current        | 15/15A                   |
| Input Current/Power[PV-BAT]              | ≤20A/50W-1000W           |
| Output Current/Power[BAT-Inverter]       | ≤20A/0W-1000W            |
| Cycle Life* <sup>1</sup>                 | 6000,25°C                |
| Depth of Discharge* <sup>2</sup>         | 90%                      |
| Product Warranty                         | 3 years                  |
| Performance Warranty                     | 5 years                  |
| Operating Temperature                    | -20°C~55°C               |
| Ingress Protection                       | IP65                     |
| Humidity                                 | 5% to 90%[no condensing] |
| Altitude                                 | Below 2000m              |
| SOC                                      | LED*4                    |
| State                                    | LED*1                    |
| Wifi                                     | LED*1                    |
| Certification & Safety standard          | TUV/CE/IEC/UN38.3        |
| Unit Dimensions[W*H*D]                   | 490*249.5*70mm           |
| Unit Weight                              | 20kg                     |

\*1 Test conditions, 0.2C&0.2C,25°C, 80%DOD

\*2 Not for cycle life

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## M01 Home Battery

-  IP65
-  -20° C Rechargeable
-  Easy Wall Mounting
-  Fire Extinguishing Gel Inside
-  Intelligent Adaptation of Input Voltage
-  High Cycle Times and Long Service life
-  Remote Status Monitoring via Dedicated App
-  Intelligent Maximum Power Point Tracking (MPPT)
-  Safe Lithium Iron Phosphate (LiFePO4) Technology





## Seamless Integration with a Stylish Design

The M01 boasts a sleek and sophisticated design that seamlessly blends with your home decor. Its black body and aluminum top cover exhibit a distinctive metallic texture, adding an element of elegance to your surroundings. With the M01, you can enjoy a unified and harmonious aesthetic, effortlessly enhancing the overall appeal of your living space.



## Effortless Installation and Space-Saving Design with M01

With the M01 battery's easy wall mounting design, you can effortlessly install it in no time. The hassle-free process allows you to securely mount the battery on the wall, freeing up valuable floor space and ensuring a neat and efficient installation. The convenience of wall mounting not only simplifies the installation but also provides added flexibility. You can strategically position the M01 battery at an optimal height and location, suiting your specific needs and preferences. This ensures easy access and maintenance whenever required. It eliminates the need for cumbersome floor-standing arrangements, resulting in a clean and organized environment.



## Enhanced Control and Convenience with the Remote Control System

Equipped with a WiFi monitor, the M01 offers an even more convenient way to manage the system. The remote control system enables users to monitor the battery using a dedicated app, providing easy access to track power consumption, production, battery status, and software upgrades, all from the palm of your hand. With the Remote Control System, users can effortlessly manage their battery and enjoy superior after-sales service from DMEGC.



## Maximum Safety with the Comprehensive Protection

The M01 system prioritizes safety with its multi-layer protection features. The Battery Management System (BMS) ensures continuous protection against potential risks. Intelligent software continuously monitors the battery's status and issues instructions to the BMS for necessary power-off actions. Additionally, built-in fuses and a fire extinguisher further enhance security, providing an additional layer of protection. The M01 battery utilizes advanced Lithium Iron Phosphate (LiFePO4) technology, known for its



superior safety and stability. This technology provides excellent thermal stability, resistance to overcharging, and a reduced risk of thermal runaway, ensuring a safe and reliable energy storage solution.

## Intelligent Maximum Power Point Tracking (MPPT)

The M01 battery incorporates Intelligent Maximum Power Point Tracking (MPPT) technology, optimizing energy capture from solar panels by continuously tracking and adjusting to the maximum power



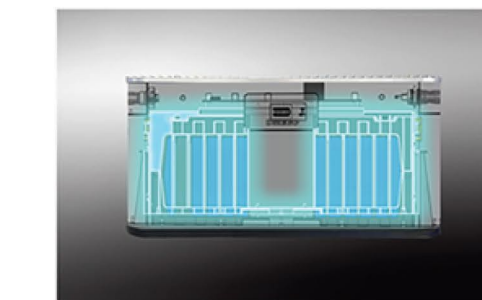
point. This enhances overall system efficiency and maximizes the utilization of solar energy. The M01 features intelligent adaptation of input voltage, allowing it to efficiently adapt to different input power sources. This ensures optimal performance and charging efficiency, maximizing the utilization of available energy.

## Rugged Protection in Any Environment

The M01 is meticulously crafted to offer exceptional durability and protection. Its IP65 rating and two-meter drop resistance ensure that it remains a reliable and robust power source, even in the harshest conditions. With this battery, you can have peace of mind, knowing that your power supply is safe and secure. Additionally, the automatic heating system enables charging at temperatures as low as  $-20^{\circ}\text{C}$ . The M01 is the ideal solution for those seeking a dependable power source that can withstand the elements effortlessly. The M01 battery features intelligent adaptation of input voltage, allowing it to efficiently adapt to different input power sources. This ensures optimal performance and charging efficiency, maximizing the utilization of available energy.



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



Experience reliable and long-lasting power with the M01. Powered by top-quality LiFePO4 cells and advanced SOC (State of Charge) and SOH (State of Health) algorithms, the M01 delivers over 6000 life cycles of dependable power. Trust in the M01 to provide the energy you need, backed by its exceptional performance and longevity.