

Customizable Home Battery Capacity from 5kWh to 160kWh

H01 offers the ultimate in customizable energy storage. Choose from 2-8 slave batteries to customize your capacity from 5kWh to 20kWh, and connect up to 8 sets of H01 in parallel to expand your capacity to a whopping 160kWh. With H01, you can easily meet all your energy needs, no matter how large or small.



Reduce Your Electric Bill with a PV–Coupled Home Energy Storage System

Save money on your electricity bill with a home green energy system powered by H01.Combine H01 with solar panels and a PV inverter to store and use more of the electricity generated by your PV system. This can help reduce reliance on grid electricity and support more cost-effective home energy management, depending on system sizing, household demand and local electricity tariffs.



Battery Type	Li-ion(LFP)						
Module Energy [kWh]	2.56kWh						
Module Voltage [V]	51.2V						
Rated Capacity [Ah]	50						
Battery Module in series (Optional)	2	3	4	5	6	7	8
Nominal Voltage [V]	102.4	153.6	204.8	256	307.2	358.4	409.6
Operating Voltage [V]	88-115.2	132-172.8	176-230.4	220-288	264-345.6	308-403.2	352-460.8
Total Energy [kWh]	5.12	7.68	10.24	12.8	15.36	17.92	20.48
Usable Energy [kWh]	4.608	6.912	9.216	11.52	13.824	16.128	18.432
Nominal Power[kW]	2.56	3.84	5.12	6.4	7.68	8.96	10.24
Max Power [kW]	3.58	5.37	7.16	8.95	10.74	12.53	14.32
Nominal Charge/Discharge Current[A]	25/25						
Max Charge/Discharge Current[A]	35/35						
Dimensions(W*H*D) [mm]	550*480*380	550*620*380	550*760*380	550*900*380	550*1040*380	550*1280*380	550*1420*380
Weight [kg]	82	113	144	175	206	237	268
Depth of Discharge	90%						
Cycle Life	6000, 25°C (Test conditions, at 25°C, charge / discharge rate is 0.2C, 80%DOD)						
Warranty	5 years / 10 years compensation						
Operating Temperature	Charge: 0°C~55°C / Discharge: -20°C~55°C						
Humidity [%]	5% to 90%, (no condensing)						
Altitude	Below 2000m						
Ingress Protection	IP65						
Battery to Inverter	CAN2.0						
Battery to Battery	CAN2.0						
Inverter Selection	DIP switch						
State	LED*1(white)						
SOC	LED*4						
Series	2-8 (Refer to inverter wiring diagram)						
Cluster	1-8 (1 cluster contains 2 to 8 modules)						
EMC	EN IEC 61000-6-1:2019, EN IEC 61000-6-3:2021						
Certification & Safety Standard	TUV/CE/IEC/UN38.3						
Included Accessories	Wi-fi Monitor						



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H01 Home Battery

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5-160 kWh , free to choose
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Easy setup, reduce installation cost to **1/5**
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Smart module balancing, expand lifespan to **6000+ cycles**
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5 layers of protection, safety is under control
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IP65 Graded, suitable for various use environments
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Remote status monitor



Simple and Beautiful Setup to Save Installation Costs

Installing a home battery doesn't have to be complicated or expensive. H01 is designed for fast and easy installation with no special tools required. In just a few simple steps, you can have a simple and beautiful setup that will save your time and money. Stack all the modules together; connect the battery and PV inverter; and rotate the DIP switch to the corresponding number of the inverter. In no time you'll be enjoying the power of your H01 home battery system.



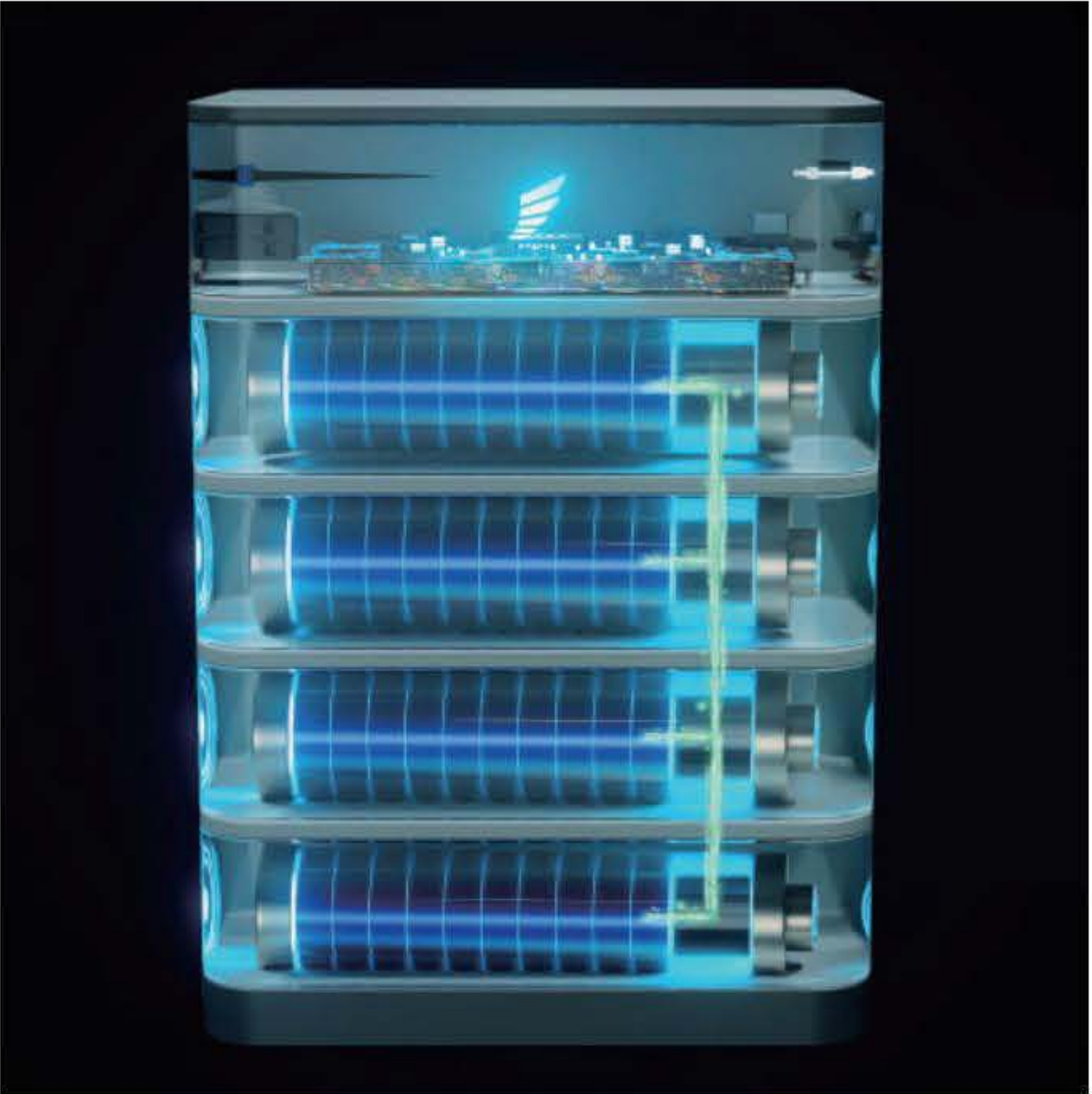
Sleek Design for Easy Home Integration

H01 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, H01 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.



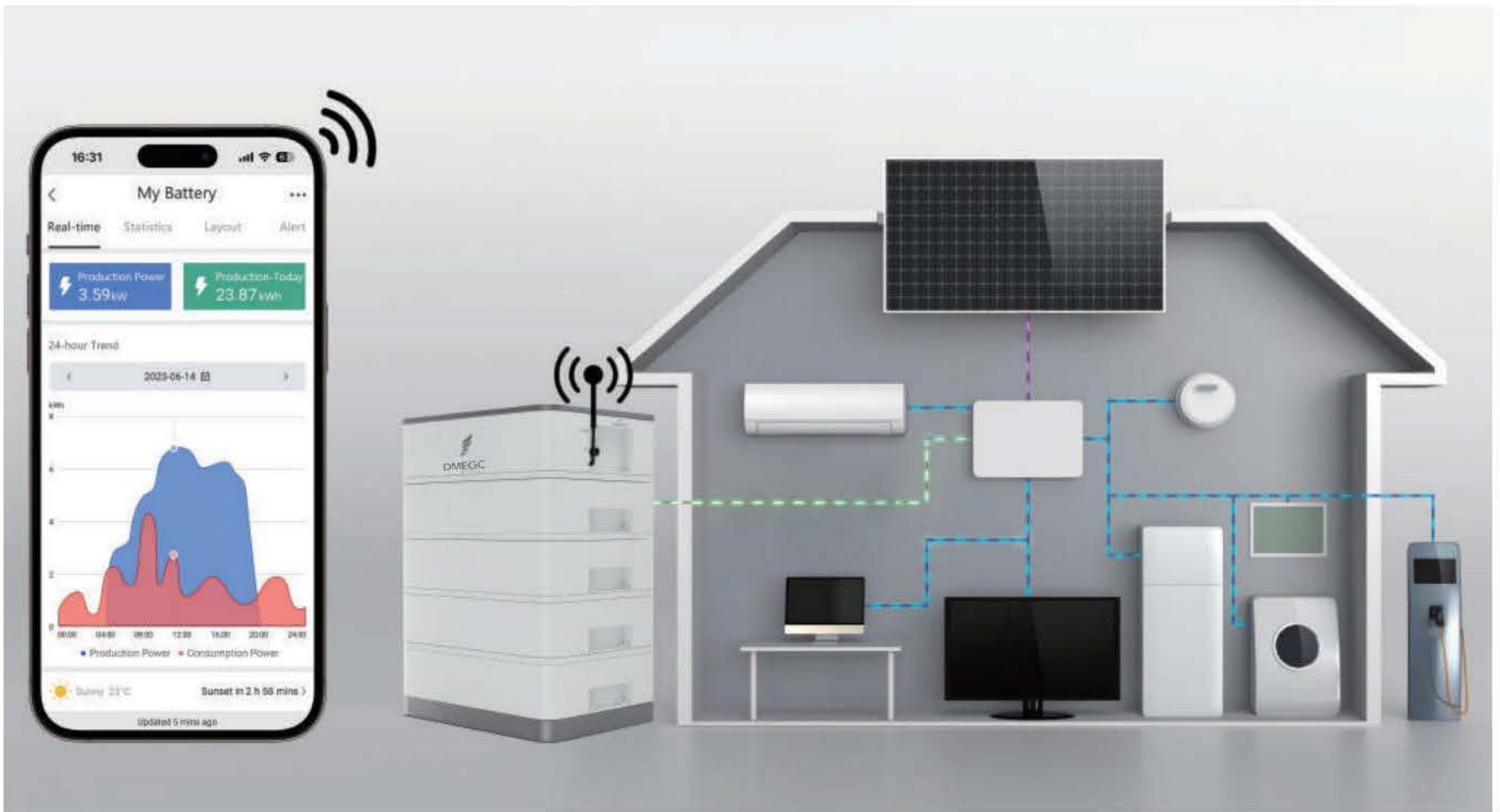
Smart System Balancing for Improved Circuit Stability

H01 uses a high-voltage system to reduce current and improve circuit stability. An intelligent management system is also employed to balance the voltage between modules, ensuring circuit stability and prolonging the service life of the battery.



Get Easy Control and Convenience with the Remote Control System

Get the control and convenience you need with the Remote Control System of H01. This 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.



Multi-Layer Protection for Maximum Safety



This system is designed with five layers of 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 built-in DC breaker and fuse provide further protection and the built-in fire extinguisher (optional) provides an extra layer of security

Keep Your Battery Safe with IP65 Rated Protection

Don't let the elements spoil your home battery! The IP65 rating of the DMEGC H01 home battery ensures that it is dustproof and waterproof, so you can set it up in your balcony or garden without worrying about rain or wind damaging it.



6000+ Life Cycles with High-Quality LiFePO4 Cells



Enjoy reliable, long-lasting power with H01. Powered by high-quality LiFePO4 cells and an advanced SOC and SOH algorithm, H01 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.