

A Global Leader

In the Energy Storage Industry



ESS Market

Front-of-the-Meter

- Utility-scale Generation
- Utility-scale Energy Storage
- Transmission and Distribution

Behind-the-Meter

- Commercial and Industrial (C&I)
- Residential
- Electromobility

About Gotion



Gotion High-tech Co., Ltd. is a pioneering leader in the energy storage battery industry. It was listed on the Shenzhen Stock Exchange in China in May 2015 (002074.SZ) and on the SIX Swiss Exchange in July 2022 (GDR listing code: GOTION). As an internationally diversified company with European and American capital participation, its main business includes power lithium batteries, energy storage solutions, and power transmission and distribution equipment. Gotion has over 20 years of expertise in material and cell technology, with an in-house vertical value chain exceeding 600k tons. Offering integrated carbon-zero solutions across 10+ applications, Gotion is recognized as a world-class Tier 1 BESS supplier.

Product Market Layout

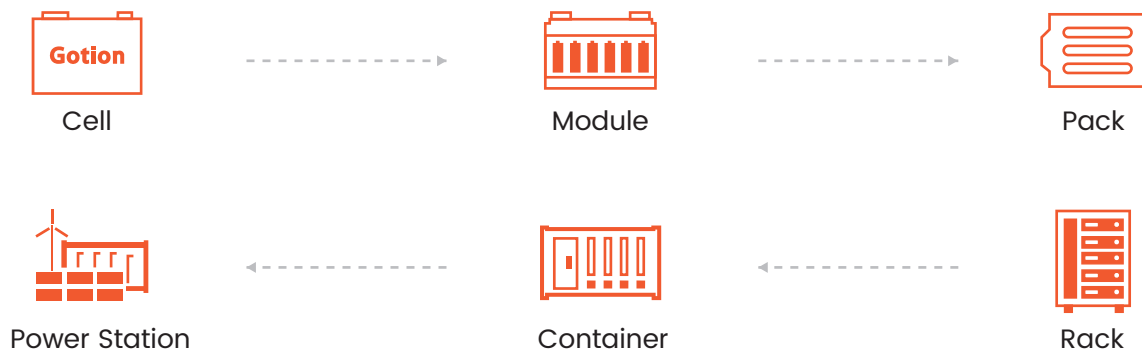
- EV Market
- ESS Market
- Recycling Market

Main Business

EV Battery Systems and Services



Energy Storage Solutions and Services



We Provide



- Localized Factory



- Extended Warranties



- After-sales Service



- Financing Service

*All Services for Both EV and ESS

Gotion Home 2.0



Product Strengths



Trusted Safety

- LFP batteries with triple-layer protection at cell, module, and system levels for lasting reliability



Modular Capacity

- Flexible 5–20 kWh range to meet evolving home energy needs, with expansion-ready design



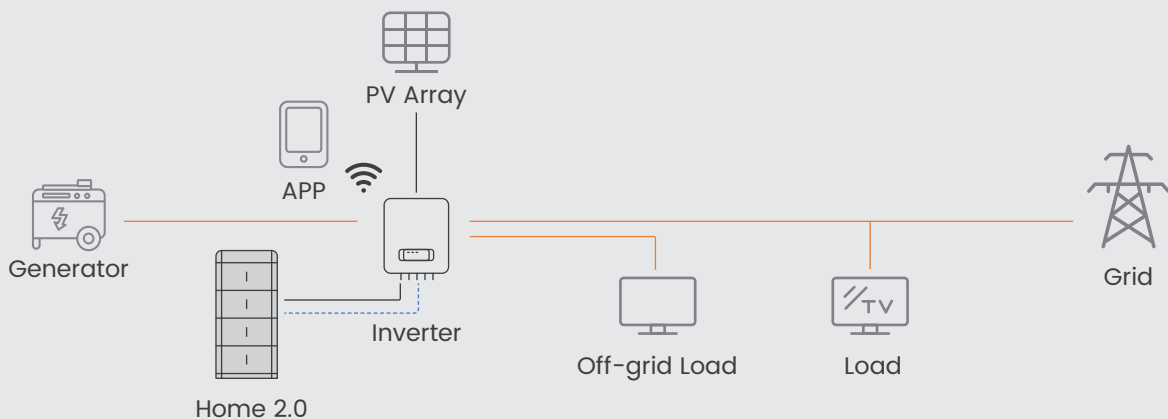
Stackable & User-Friendly

- Compact form factor for easy transport, fast setup, and plug-and-play installation



Outdoor-Ready Protection

- IP65-rated enclosure supports durable, all-weather operation



Model	HSD51.2-02C5L	HSD51.2-02C10L	HSD51.2-02C15L	HSD51.2-02C20L
Product Picture				
Electrical Parameters				
Cell Capacity	LFP-100Ah			
Nominal Energy	5.1kWh	10.2kWh	15.3kWh	20.4kWh
Nominal Voltage	51.2V			
Recommended Voltage Range	43.2V~56.8V			
Maximum Charge/ Discharge Rate	2.5kW	5kW	5kW	5kW
Environmental Parameters				
Operating Temperature	-20°C ~45°C			
Operating Humidity	5%-95%			
Altitude Rating	≤3000m			
Structural Parameters				
Ingress Protection Rating (IP Rating)	IP65			
Cooling Method	Natural Cooling			
Communication Method	CAN, RS485			
US Compliance	UL 9540A, UL 1973			
EU Compliance	IEC 62619			
Shipping Compliance	UN 38.3			
Dimensions (W×D×H)	705×239×528mm	705×239×846mm	705×239×1164mm	705×239×1482mm
Weight	≈ 67kg	≈ 120kg	≈ 170kg	≈ 220kg

1. Test conditions (usable energy): 95% depth of discharge (DoD), 0.5P rate charge & discharge at 25°C
2. Charge/discharge derating occurs when the operating temperature below 5°C or over 45°C
3. The weight of the battery module is based on the real object, and there may be a tolerance of 2%.
4. Output power may be affected by altitude.

Go Innovation

Cherish | Pragmatism | Integrity | Innovation

www.gotion.com



Disclaimer:

Gotion High-tech Co., Ltd., (Gotion) has made this Brochure as comprehensive and accurate as possible on the basis of the existin information, but reserves the right to modify the data, parameters and other information without further notice. Gotion High-tech reserve the right of final interpretation of this Brochure.

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Verion 3.1 202509



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