

# 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



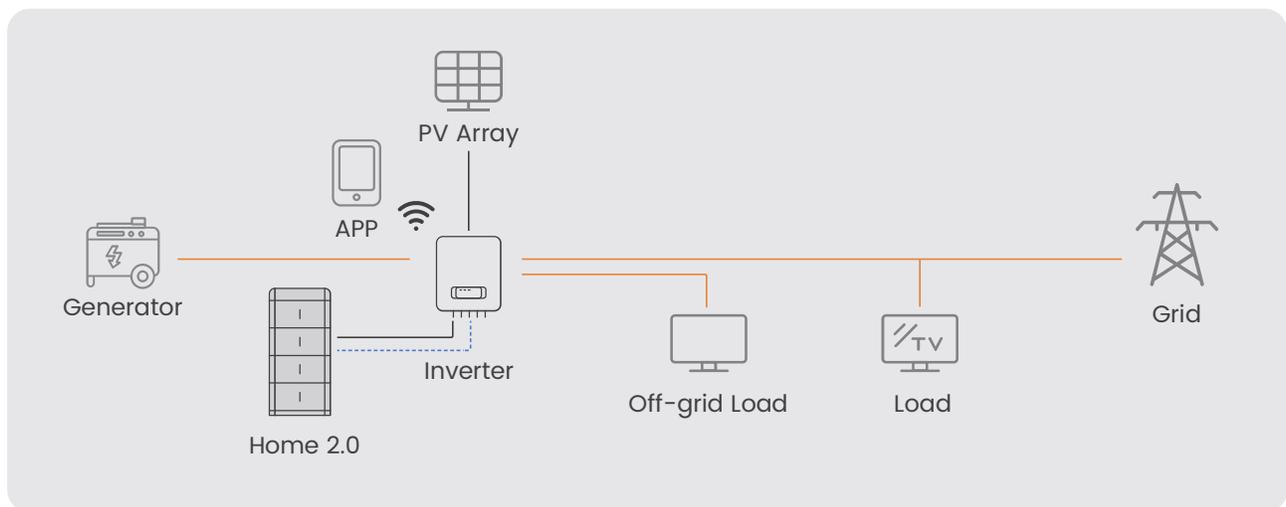
### Stackable & User-Friendly

- 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				
<b>Electrical Parameters</b>				
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
<b>Environmental Parameters</b>				
Operating Temperature	-20°C ~45°C			
Operating Humidity	5%-95%			
Altitude Rating	≤3000m			
<b>Structural Parameters</b>				
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.