

Residential ESS Battery - Ground Mounted

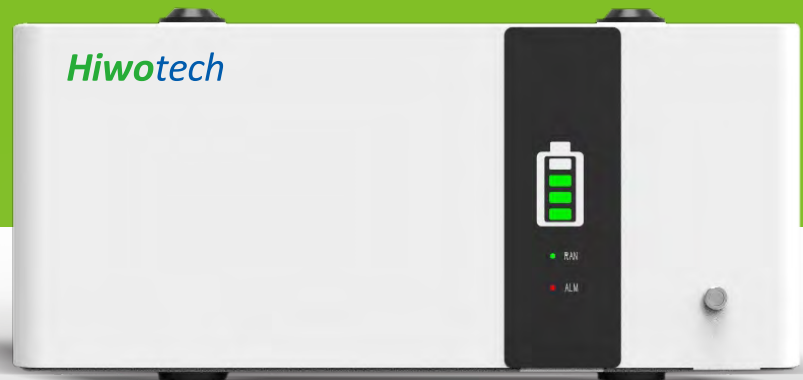


Hi-BOX

2.8kWh (51.2V) low voltage parallel solution

2.8kWh (51.2V) high voltage series solution

30kG 480 × 280 × 210 mm



High Performance

- 90% usable energy
- 35A continuous discharging current
- Long lifespan

Flexibility

- Modular design
- Extendable during lifetime
- Support 1-4 modules in parallel

Safety

- Lithium iron phosphate battery
- Multi-stages protection design

Easy Installation

- Compact and Light, single person installation
- Plug and Play

Specifications

Model	Hi-BOX
Physical	
Battery Type	LFP (LiFePO4)
Cell Manufacturer	 Gotion / 
System Weight	30KG
Dimension (W x D x H)	480 x 280 x 210 mm
IP Protection	IP21
Warranty	10 Years
Electrical	
Energy Capacity	2.80 kWh
Usable Capacity	2.52 kWh
Depth of Discharge (DoD)	90%
Nominal Voltage	51.2V
Operating Voltage Range	48 ~ 57.6V
Internal Resistance	≤ 30 mΩ
Cycle Life	6000 @ 0.5C 25°C*
Operation	
Max. Charging/Discharging Current	35 A (0.7C) / 50 A (1C)
Recommended Charging/Discharging Current	25 A (0.5C) / 35 A (0.7C)
Max. Charging/Discharging Power	1792W / 2560W
Max. Short-circuit Current Operating	75 A
Temperature Range	-10 °C ~ 50 °C**, 0 °C ~ 40 °C
Humidity	15% ~ 85%
BMS	
Modules Connection	1 ~ 4 in parallel
Capacity	2.80 / 5.60 / 8.40 / 11.20 kWh
Usable Capacity	2.52 / 5.04 / 7.56 / 10.08 kWh
Power Consumption	< 2 W (Work), < 100 mW (Sleep)
Communication	CAN and RS-485 compatible
Certification	
Transportation	UN 38.3
Safety	IEC 62619 (Cell)

* Under specific test conditions

** When the temperature is below 0°C or above 40°C, the performance will be limited.



WhatsApp: +86 15021028508



www.hiwotech.com



sales@hiwotech.com