

## Residential ESS Battery - Rack Mounted



### Hi-PACK 2.5

2.4kWh (48V)

28kG 474 × 360 × 132 mm



#### High Performance

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

#### Flexibility

- Modular design
- Support 1-15 modules in parallel

#### Safety

- Lithium iron phosphate battery
- Multi-stages protection design

#### Easy Installation

- Compact Design
- Plug and Play



## Specifications

Model	Hi-PACK 2.5
<b>Physical</b>	
Battery Type	LFP (LiFePO4)
Cell Manufacturer	 Gotion
System Weight	28KG
Dimension (W x D x H)	474 x 360 x 132 mm
IP Protection	IP20
<b>Electrical</b>	
Energy Capacity	2.4 kWh
Usable Capacity	2.16 kWh
Depth of Discharge (DoD)	90%
Nominal Voltage	48V
Operating Voltage Range	42 ~ 54V
Internal Resistance	≤ 30 mΩ
Cycle Life	6000 @ 0.5C 25°C*
<b>Operation</b>	
Max. Charging/Discharging Current	35 A (0.7C) / 35 A (1C)
Recommended Charging/Discharging Current	25 A (0.5C) / 35 A (0.7C)
Max. Charging/Discharging Power	1860W / 1680W
Max. Short-circuit Current Operating	75 A
Temperature Range	-10 °C ~ 50 °C**, 0 °C ~ 40 °C
Humidity	15% ~ 85%
<b>BMS</b>	
Power Consumption	< 2 W (Work), < 100 mW (Sleep)
Monitoring Parameters	System voltage, current, cell voltage, cell temperature, PCBA temperature measurement
Communication	CAN, RS-232, RS-485 compatible
<b>Certification</b>	
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.



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