

LOW-VOLTAGE RESIDENTIAL BATTERY

HomCellar-16kWh-EI

Livolttek HomCellar series batteries are made for home solar systems, perfect for families with high power needs. With their large capacity, they store more solar energy, giving your home reliable backup power and cutting down on electricity bills by reducing reliance on the grid. These batteries also come with a smart Battery Management System (BMS) for top-notch safety and dependable performance. Choose Livolttek HomCellar to enjoy a greener, more cost-effective energy solution with peace of mind.

Efficient and Durable

- Over 6,000 cycles with Iron Phosphate-lithium power battery
- High capacity in a compact design for homes and businesses

Smart and Flexible

- Real-time monitoring via app.
- Easy to move and space-efficient.

Versatile Applications

- Perfect for homes, small businesses, backup power, and off-grid use
- Expandable with up to 15 units in parallel

Reliable Safety

- 157A max charge/discharge for fast response and overload protection
- Built-in BMS ensures safety and low maintenance



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BATTERY

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Model	HomCellar-16kWh-EI
Total Capacity	16kWh
Nominal Voltage	51.2V
Nominal Range	43.2 - 57.6V
Rate Capacity	314 Ah
Battery Module	51.2 V, 314 Ah, 16 kWh
System Composition	1P16S
Depth of Discharge	90%
Operating Temperature	Charge: 0°C to +55°C; Discharge: -20°C to +55°C
Max. Charge/Discharge Current	157A / 157A
Operating Humidity	5% - 95%(RH) No Condensation
Operating Altitude	<4000
Communication	CAN & RS485
Cycle Life	6000 Cycle
Scalability	15
Ingress Protection	IP20
Cooling	Natural cooling
Dimension(W*H*D)	460*907*253.5 mm[1]
Weight	~110 kg

*[1]: The dimensions refer to the product with wheels included.

[2]:Test conditions: 0.5C Charge/0.5C Discharge, @25°C, 90% DOD, 70% EOL