

LOW-VOLTAGE RESIDENTIAL BATTERY

HomCellar-15/16kWh-E1

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 16 units in parallel

Reliable Safety

- 160A/200A max charge/discharge for fast response and overload protection
- Built-in BMS ensures safety and low maintenance



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BATTERY

HomCellar-15/16kWh-E1

Model	HomCellar-15kWh-E1	HomCellar-16kWh-E1
Total Capacity	15kWh	16kWh
Nominal Voltage	48V	51.2V
Nominal Range	40.5 - 54.0V	43.2 - 57.6V
Rate Capacity	314 Ah	314 Ah
Battery Module	48 V, 314 Ah, 15 kWh	51.2 V, 314 Ah, 16 kWh
System Composition	1P15S	1P16S
Depth of Discharge	90%	
Operating Temperature	Charge: 0°C to +55°C; Discharge: -20°C to +55°C	
Max. Charge/Discharge Current	160A / 200A	
Operating Humidity	5% - 95%(RH) No Condensation	
Operating Altitude	< 4000	
Communication	CAN & RS485	
Cycle Life	6000 Cycle	
Scalability	16	
Ingress Protection	IP21	
Cooling	Natural cooling	
Dimension(W*H*D)	460*907*253.5 mm[1]	460*907*253.5 mm[1]
Weight	110 kg	115 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.