

High-Voltage Stacked Energy Storage Battery

Model: HB-M2K
10kW/ 11kWh-16.5kWh



- IP65 protection with CE, RoHS, and UN38.3 certification support.
- Suitable for homes, villas, shops, clinics, offices, and solar backup systems.
- Flexible matching with different high-voltage inverter brands and power ratings.
- High-voltage platform for better system efficiency and high-voltage inverter compatibility.

Battery Data

Model	M2K-11K	M2K-13K	M2K-16K
Cell Chemistry	LFP 54Ah		
Rated Energy (kWh)	11.05kWh	13.82kWh	16.58kWh
Pack Configuration	1P64S	1P80S	1P96S
Rated Voltage (V)	204.8V	256V	307.2V
Operating Voltage Range (VDC)	179.2-233.6VDC	224-292VDC	268.8-350.4VDC
Max. Continuous Charge/ Discharge Current (A)	50A		
BMS Communication	CAN/ RS485		
Dimensions (L*W*H) (mm)	727*170*1,066.5	727*170*1,266.5	727*170*1,466.5
Weight (kg)	136.8kg	167.8kg	198.8kg

General Data

Safety Protection	Reverse Polarity Protection, Over Current/Voltage Protection
IP Rating	IP65 (Inverter) / IP65(Battery)
Operating Temperature (°C)	-25 to 60°C
Relative Humidity	0-100%
Cycle Life	6,000 Cycles
Installation Method	Wall-Mounted (Inverter) + Floor-Standing (Battery)
Certifications	CE, RoHS, UN38.3

The HB-M2K is a high-voltage stacked lithium energy storage battery using safe and stable LFP cells, with capacity options from 11.04kWh to 16.56kWh. It supports CAN/RS485 communication and can be flexibly matched with high-voltage inverters or energy storage PCS, making it suitable for residential energy storage, small commercial backup power, solar self-consumption, and backup power systems.