

High-Voltage Stacked Energy Storage Battery

Model: HB-M5K
15.36kWh-40..96kWh



- Cost-Effective: 100Ah cells, high value
- High Power: 7.68–20.48kW continuous,
- Modular Expansion: 15.36–40.96kWh flexible, Long Life: 8,000 cycles, 5-year warranty
- Versatile Installation: Stationary or mobile。 Industrial Tolerance: Harsh environment ready

Battery Data

Model	M5K-15K	M5K-20K	M5K-25K	M5K-30K	M5K-35K	M5K-40K
Cell Chemistry	LFP/ 100Ah					
Pack Configuration	1P48S	1P64S	1P80S	1P96S	1P112S	1P128S
Rated Energy (kWh)	15.36kWh	20.48kWh	25.60kWh	30.72kWh	35.84kWh	40.96kWh
Rated Voltage (V)	153.6V	204.8V	256V	307.2V	358.4V	409.6V
Operating Voltage Range (VDC)	134.4-172.8V	179.2-230.4V	224-288V	268.8-345.6V	313.6-403.2V	358.4-460.8V
Max. Continuous Charge/ Discharge Current (A)	50A					
Dimensions (L*W*H) (mm)	620*375*755	620*375*930	620*375*1,105	620*375*1,280	620*375*1,455	620*375*1,630
Weight (kg)	205kg	261kg	317kg	373kg	429kg	485kg
BMS Communication	CAN/ RS485					
Depth of Discharge (%)	90%					

General Data

IP Rating	IP65
Operating Temperature (°C)	-20 ~ 60°C
Relative Humidity	0 ~ 95% Non-condensing
Altitude (m)	<3,000m
Cycle Life	6,000 Cycles
Safety Protection	Over Charge/Discharge Protection, High/Low Temperature Protection, Over Current Protection, Short Circuit Protection, Cell Voltage Balancing.
Installation Method	Stationary/ with Wheels
Certifications	CE, RoHS, UN38.3

A cost-effective high-voltage storage cabinet with capacity from 15.36 to 40.96kWh and an 8,000-cycle life. It helps SMEs cut peak electricity charges through load shifting and also serves as reliable backup for convenience store refrigerators or data center UPS systems.