

Industrial And Commercial Lithium-ion Battery Systems

Model: HB-RM16K
16kWh



- Large per Module: Up to 225kWh, simple integration
- High Voltage Direct: Up to 716.8V, high efficiency
- Standard Rack: Flexible, custom systems. Long Life & Warranty: \geq 6500 cycles, 10 years
- High Current: 140A continuous charge/discharge. Industrial Design: Indoor industrial use

Battery Data					
Model	RM16K-96K	RM16K-112K	RM16K-128K	RM16K-144K	RM16K-160K
Cell Chemistry	LFP/ 314Ah				
Pack Configuration	1P96S	1P112S	1P128S	1P144S	1P160S
Rated Energy (kWh)	96.46kWh	112.53kWh	128.61kWh	144.69kWh	160.76kWh
Rated Voltage (V)	307.2V	358.4V	409.6V	460.8V	512V
Operating Voltage Range	268.8-345.6V	313.6-403.2V	358.4-460.8V	403.2-518.4V	448-576V
Max. Continuous Charge/ Discharge Current	140A				
Dimensions (L*W*H)(mm)	585*784*2,2150			1,170*784*2,150	
Weight	788 KGS	898 KGS	1,083 KGS	1,193 KGS	1,303 KGS
BMS Communication	Modbus RTU				
Model	RM16K-176K	RM16K-192K	RM16K-208K	RM16K-224K	RM16K-240K
Cell Chemistry	LFP/ 314Ah				
Pack Configuration	1P176S	1P192S	1P208S	1P224S	1P240S
Rated Energy (kWh)	176.84kWh	192.92kWh	208.99kWh	225.07kWh	241.15kWh
Rated Voltage (V)	563.2V	614.4V	665.6V	716.8V	768V
Operating Voltage Range	492.8-633.6V	537.6-691.2V	582.4-748.8V	627.2-806.4V	672-864V
Max. Continuous Charge/ Discharge Current	140A				
Dimensions (L*W*H)(mm)	1,170*784*2,150				
Weight	1,413 KGS	1,523 KGS	1,633 KGS	1,743 KGS	1853 KGS
BMS Communication	Modbus RTU				
General Data					
Display	Touch Screen (Optional)				
IP Rating	IP20				
Operating Temperature (°C)	Charge: 0-50°C ; Discharge: -10~50°C				
Relative Humidity	0~95% RH (non-condensing)				
Altitude	\leq 2,000m				
Cycle Life	\geq 6,000 Cycles @25°C 80%DOD				
Safety Protection	Bidirectional Active Balancing, Active Cooling and Heating Management, Over/Under-Voltage Protection, Over/Under-Current Protection, Communication Fault Alarm.				
Installation Method	Floor Standing				
Certifications	UN38.3, IEC62619(CB), CE-EMC				

This is a high-voltage rack-mounted lithium battery with a capacity of 225kWh per cluster. It supports flexible stacking to build customized systems and is an ideal choice for large-scale energy storage projects, off-grid power supply, and energy cabins for heavy machinery.