

HOME RACK-MOUNTED LOW VOLTAGE BATTERY



Safe & Long-Lasting



- LiFePO₄ cells for high safety and long cycle life
- Eco-friendly, non-toxic materials

Modular & Scalable



- Expandable up to 4 units (max. 20.4 kWh)
- Smart BMS with remote monitoring and auto networking

Reliable Performance



- 200A peak discharge
- Operates from -20°C to 55°C

Item	Specifications / Pack	Specifications / Battery System			
Model	MEB2-B5L-RA	MEB2-B5L-RA			
Number of stacked battery packs	/	1	2	3	4
Nominal Energy [kWh]	5.1	5.1	10.2	15.3	20.4
Max. charge power [kW]	3.072	3.072	6.144	6.144	6.144
Max. discharge power [kW]	3.072	3.072	6.144	6.144	6.144
Sizes (W*H*D) [mm]	440*133*570	/	/	/	/
Weight[kg]	44	/	/	/	/
Battery Chemistry	LFP	LFP			
Max. continuous charge current [A(@25°C)]	60	60	120	120	120
Max. continuous discharge current [A(@25°C)]	60	60	120	120	120
Peak charge current [A(@25°C,10s)]	100	100	200	200	200
Peak discharge current [A(@25°C,10s)]	100	100	200	200	200
Rated Voltag [V]	51.2	51.2			
Voltage range [V]	44.8-57.6	44.8-57.6			
Cell room Temperature Cycle Life *	6000 Cycles 0.5C/0.5C @70%SOH	6000 Cycles 0.5C / 0.5C @70%SOH			
Warranty Period *	5 years	5 years			
Operating ambient temperature	Charge: 0 ~ +55°C / Discharge: -20°C~+55°C	Charge: 0 ~ +55°C / Discharge: -20°C ~ +55°C			
Altitude	≤3000m	≤3000m			
Communication Port	CAN	CAN			
Regulation compliance	IEC 62619, IEC 60730, UN 38.3/MSDS	IEC 62619, IEC 60730, UN 38.3/MSDS			
EMC standard/EMC	IEC61000-6-1/2/3/4	IEC61000-6-1/2/3/4			
Ingress Protection rate	IP20	IP20			
Mounting	Floor-Mounted	Floor-Mounted			
Parallel Number	Max.4 PCS				

* The warranty expires upon whichever comes first: the standard warranty period or the performance warranty period.