

Low-voltage Energy Storage Battery



- Multiple protection design, safe and guaranteed
- Long design life, ultra-low degradation
- Modular design, up to 8 in parallel
- Intelligent management, remote upgrade by one click
- Leading ultra-thin body design
- Easy installation and maintenance

Model	LB-M5120L-B1
Battery Type	LiFePO ₄ IP16S
Total Energy (kWh)	5.32
Rated Energy (kWh)	5.05
Nominal Voltage (V)	51.2
Working Voltage (V)	43.2-57.6
Charging Voltage (V)	57.6
Max. Charge Current (A)	50
Max. Discharge Current (A)	100
Communication	RS485, CAN, WIFI
Storage Temperature (°C)	0-45 (Recommended)
Storage Humidity	≤85%
Working Temperature (°C)	Charging: -10-50 Discharging: -20-50
Working Humidity	≤95% (No Condensation)
Working Altitude (m)	≤2000
Ingress Protection	IP65
Protective Class	I
Weight (kg)	45
Dimensions W*H*D (mm)	420 × 650 × 140
Design Life	15 Years (25°C)
Cycle Life	>6000 cycles (25°C)
Scalability	Recommended ≤3, (Max. 8 in parallel)
Certification	CE, IEC62619, IEC/EN 61000-6-1/3, UN38.3, IEC62368