

IP51 Lithium Energy Storage Battery

Model: ME-GLE-B5K



51.2V



Low Voltage



LiFePO4



Technical Parameter

Model	ME-GLE-B5K
Main Parameters	
Battery Chemistry	LiFePO ₄
Scalability	Max. 7 pcs in Parallel
Nominal Voltage	51.2V
Operating Voltage	44.8~57.6V
Nominal Capacity	100Ah
Energy	5.12kWh
Max. Charge & Discharge Current	100A
Recommend Charge & Discharge Current	50A
Recommend Depth of Discharge	90%
Other Parameters	
Dimension(W×H×D)	556*146*351 mm
Weight	44Kg
Installation	Floor-Mounted/Stackable
Cycle Life	≥6000 (25°C±2°C, 0.5C/0.5C, 80%DOD, 70%EOL)
Operating Temperature	Charge:0~55°C / Discharge :-10°C~55°C
Storage Temperature	0 - 35°C
Relative Humidity	5 ~ 95%
Altitude	2000m
Ingress Protection	IP51
Communication	RS485
Certification	UN38.3, MSDS



Leading Durability

- Cobalt Free Lithium Iron Phosphate (LFP)
- Battery with intelligent BMS delivering complete multi-layer protection



Superior Safety

- Premium Grade A LFP cells
- Cycle life >6000 times
- EOL >70% capacity after 6000 cycles



Flexible Adaptability

- Floor mounting / stackable
- Compact size for quick and easy installation
- Modular design, expandable in parallel
- All in one compact system on wheels



User-friendly

- Seamless OTA updates
- 100A Max. charging current for fast charging