

IP51 Lithium Energy Storage Battery

Model: ME-GLE-B15K



48V



Low Voltage



LiFePO4



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 >8000 times
- EOL >70% capacity after 8000 cycles



Flexible Adaptability

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



User-friendly

- Seamless OTA updates
- 150A Max. charging current for fast charging

Technical Parameter

Model	ME-GLE-B15K
Main Parameters	
Battery Chemistry	LiFePO ₄
Scalability	Max. 8 pcs in Parallel
Nominal Voltage	48V
Operating Voltage	42-54V
Nominal Capacity	314Ah
Energy	15kWh
Max. Charge & Discharge Current	150A
Recommend Charge & Discharge Current	150A
Recommend Depth of Discharge	90%
Other Parameters	
Dimension(W×H×D)	688*613*253 mm
Weight	124Kg
Installation	Floor-Mounted
Cycle Life	≥8000 (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