

IP51 Lithium Energy Storage Battery

Model: ME-GLE-BW5K | ME-GLE-BW10K



51.2V



Low Voltage



LiFePO4



Leading Durability

- Cobalt Free Lithium Iron Phosphate (LFP)
- Built-in intelligent BMS, multi-layer protection



Superior Safety

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



Flexible Adaptability

- Wall mounting installation
- Compact size for quick and easy installation
- Modular design, expandable in parallel



User-friendly

- Seamless OTA updates
- 100A/200A Max. charging current for fast charging
- Noise level < 30 dB, quiet and comfortable

Technical Parameter

Model	ME-GLE-BW5K	ME-GLE-BW10K
Main Parameters		
Battery Chemistry	LiFePO4	
Scalability	Max. 8 pcs pack (Max.40kWh) in parallel	Max. 8 pcs pack (Max.80kWh) in parallel
Nominal Voltage	51.2V	
Operating Voltage	44.8 ~ 57.6V	
Capacity	100Ah	200Ah
Energy	5.12kWh	10.24kWh
Max. Charge & Discharge Current	100A	200A
Recommend Charge & Discharge Current	50A	100A
Recommend Depth of Discharge	90%	
Other Parameters		
Dimensions (W*H*D)	410*600*189 mm	600*780*189 mm
Installation	Wall-Mounted	
Operating Temperature(discharge)	-20°C~60°C	
Operating Temperature(charge)	0°C~50°C	
Relative Humidity	5 ~ 95%	
Altitude	2000m	
Ingress Protection	IP51	
Cycle Life	≥ 6000 @90%DOD	
Warranty	5 Years /10 Years (Optional)	
Communication	RS485	
Certification	UN38.3, MSDS	