

Solar Energy Storage Battery

Model: ME-GLE-B5K



IP51



5.12kWh/51.2V



Low Voltage



LiFePO4



Superior Safety

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



Leading Durability

- Premium Grade A LFP cells
- Cycle life >6000 times
- EOL >70% capacity after 6000 cycles, ensuring stable operation for 10+ years



Flexible Adaptability

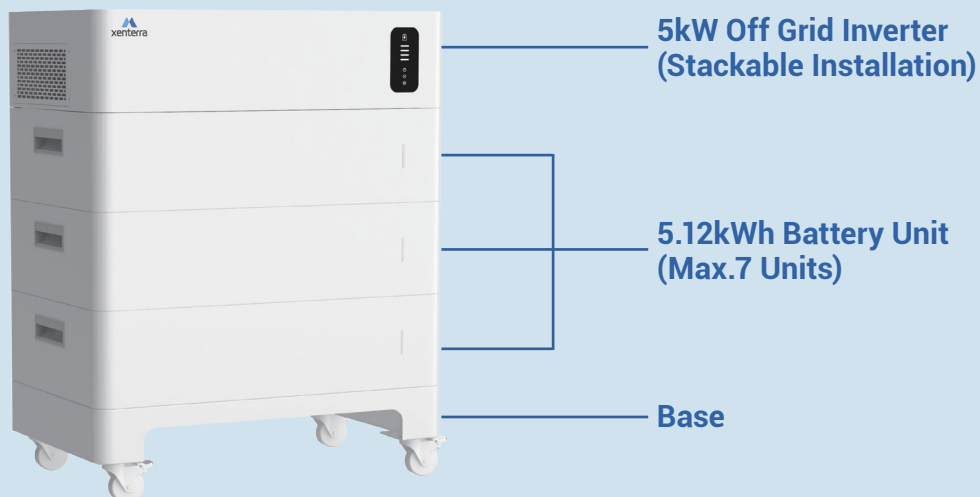
- Floor stack mounting only
- Compact size for quick and easy installation
- Modular design, expandable to 7 units in parallel



User-friendly

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

All in One Design



Technical Parameter

Model	ME-GLE-B5K
Main Parameters	
Battery Chemistry	LiFePO4
Scalability	Max. 7 pcs in Parallel (35.84kWh)
Nominal Voltage	51.2V
Operating Voltage	40-60V
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
Operating Temperature	0-55°C
Storage Temperature	-15 - 60°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