

# 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



5kW Off Grid Inverter  
(Stackable Installation)

5.12kWh Battery Unit  
(Max.7 Units)

Base

## Technical Parameter

| Model                                | ME-GLE-B5K                        |
|--------------------------------------|-----------------------------------|
| Main Parameters                      |                                   |
| Battery Chemitry                     | 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℃                             |
| Storage Temperature                  | -15 - 60℃                         |
| 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                      |