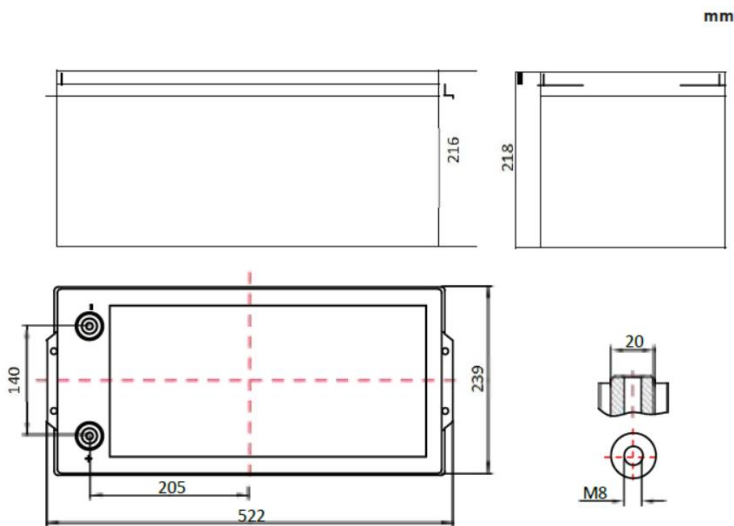


LFP-24-100EV



Physical Dimensions(mm)



- Length: 522mm
- Width: 239mm
- Height: 218mm
- Tolerances are ± 1 mm
- Approximate Weight: About 22kg

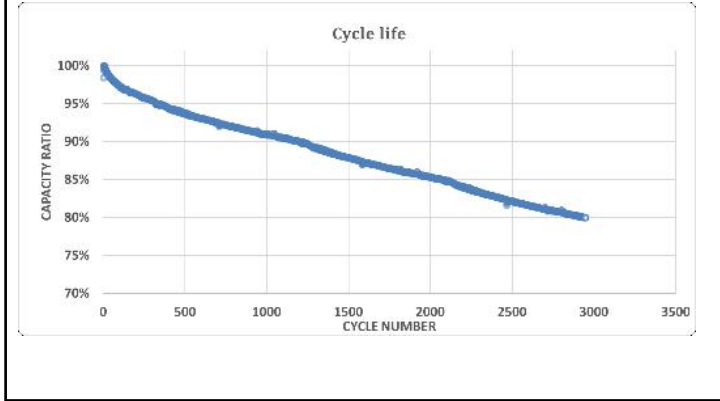
Features

- Using the technology of lithium iron phosphate cell, superior safety, thousands of cycles, 100%DOD, under normal conditions.
- Built-in automatic protection for over-charge, over discharge, over current and over temperature.
- Free of maintenance.
- Internal cell balancing.
- Lighter weight: About 40%~50% of the weight of a comparable lead acid battery.
- Replacement for lead-acid battery.
- Wider temperature range: -20°C~55°C.
- Supports 2 in series or 4 in parallel, but series and parallel connections cannot be made simultaneously.
- Bluetooth capability(Optional)

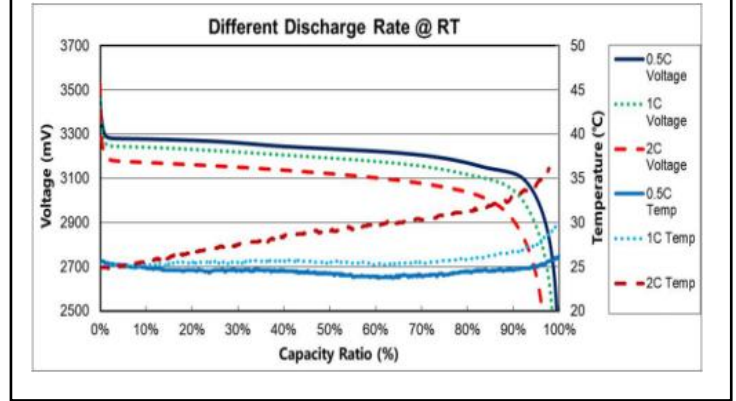
Performance Specifications

| | |
|----------------------------|----------------------------------|
| Nominal Voltage | 25.6V |
| Nominal Capacity | 100Ah |
| Nominal Energy | 2560Wh |
| Internal Impedance | ≤ 20 m Ω |
| Charge Voltage | 29.2V |
| Discharge Cut-of Voltage | 20V |
| Standard Charge Current | 20A |
| Max. Charge Current | 100A |
| Standard Discharge Current | 20A |
| Max. Discharge Current | 100A |
| Peak Discharge Current | 200A<5S |
| Cycle Life | ≥ 3000 (0.5C, 25°C, 80%DOD) |
| Operating Temperature | Charge 0°C ~+45°C |
| | Discharge -20°C~+55°C |

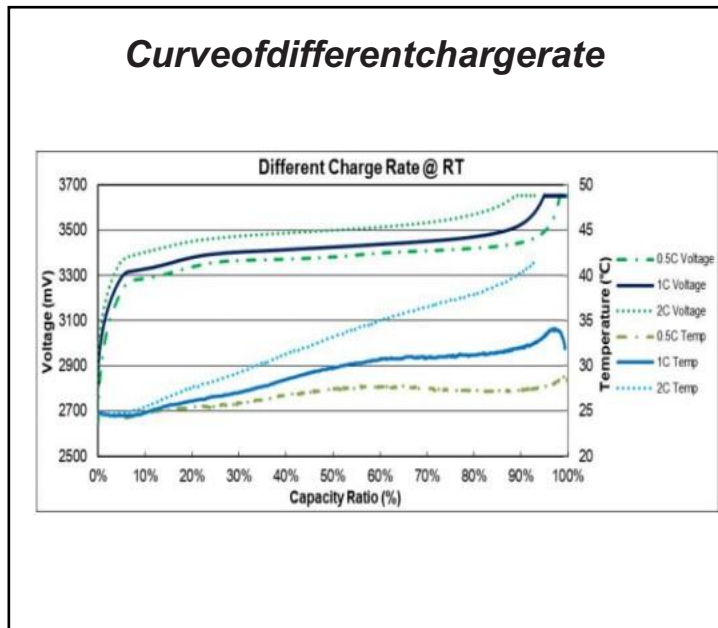
Curve of cyclelife



Curve of different discharge rate



Curve of different charge rate



Charging

Cycle Applications: Using the standard charging mode, under the temperature of 25±5°C, charge the battery with the current of 0.2C to charge cut-off voltage. The charging time is approximately 5 to 6 hours.

Note: When the battery pack to be long-term stored, charge the battery pack to about 60% capacity, charge it every 3 months. The battery pack should be stored in a clean, dry, ventilated place, and should avoid contact with corrosive substances and keep away from fire and heat sources.

Further information

Please contact our technical department for advice if you have difficulty or contact us at kaijie@kaijie.net.

Application

- UPS Backup Power
- Solar & Wind Power System
- Golf Cart
- Electric Vehicle, E-bike, E-rickshaw etc.
- Lighting