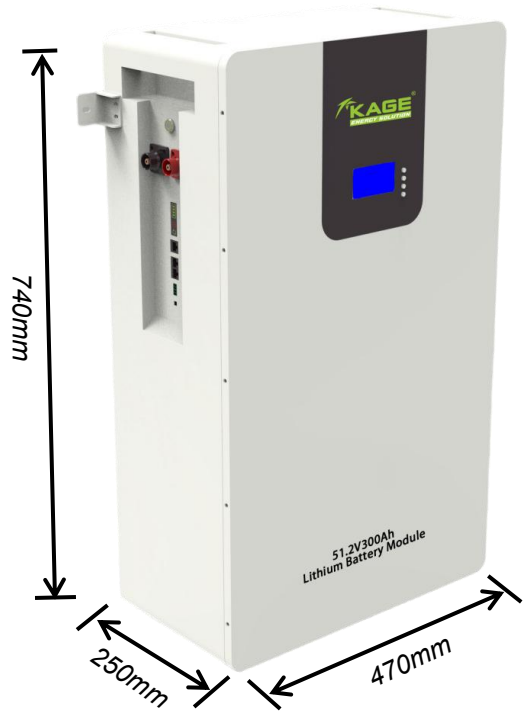
Lithium iron Phosphate($LiFePO_4$) BATTERY

Specification Sheet UN38.3 MSDS

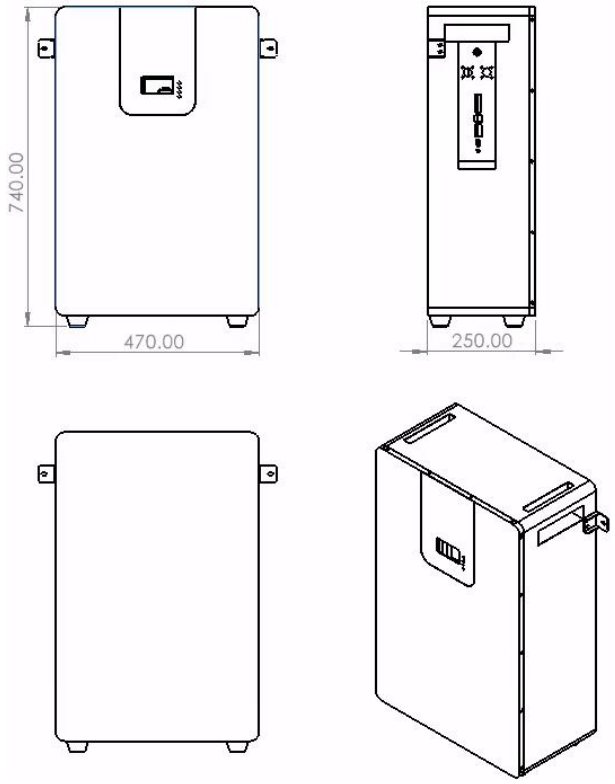


LFP-51300

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.
- Wider temperature range:-20℃~60℃.
- Max. 16 parallel connection
- Bluetooth capability

Physical Dimensions(mm)



- Length: 470mm
- Width: 250mm
- Height: 740mm
- Tolerances are ±1mm
- Approximate Weight: About 106kg

Performance Specifications

Nominal Voltage	51.2V
Nominal Capacity	300Ah
Nominal Energy	15360Wh
Internal Impedance	≤50mΩ
Charge Voltage	58.4V
Discharge Cut-of Voltage	40V
Standard Charge Current	100A
Max. Charge Current	150A
Standard Discharge Current	100A
Max. Discharge Current	200A
Peak Discharge Current	300A<5S
Protection Degree	IP21
Cycle Life(80%DOD)	≥8000(0.5C,25°C, 80%DOD)
Operating Temperature	Charge 0°C ~+60°C
	Discharge -20°C~+60°C

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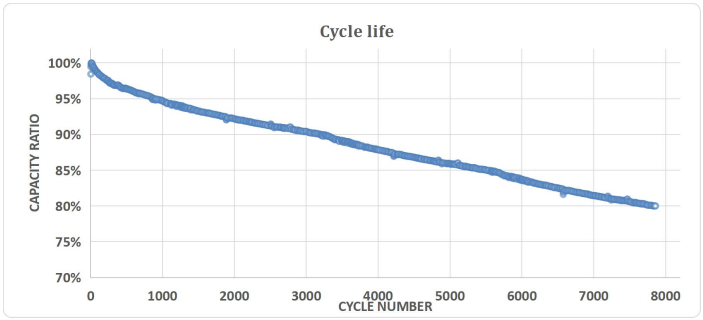
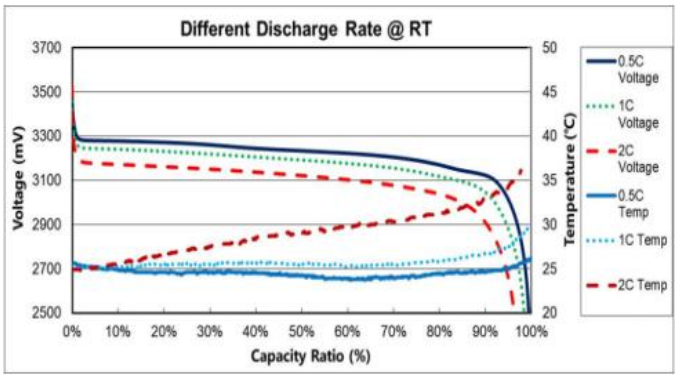
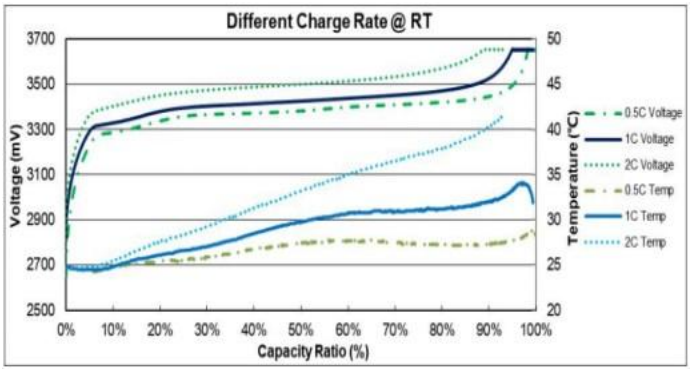
Curve of cyclelife



Curve of different discharge rate



Curveofdifferentchargerate



Charging

Cycle Applications: Using the standard charging mode, under the temperature of 25±5℃,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

- Home energy storage system
- Commercial energy storage
- UPS Backup Power
- Solar & Wind Power System
- Lighting