

Spark 206Ah Cell Li-ion Phosphate LiFePo4 LFP206 Battery

Spark Lithium is a family owned Australian business that specialises in Li-Phosphate battery technology. Together with our advanced battery management system our cells and modules can be configured to meet the needs of your products and applications, including energy storage (BESS), transportation (EVs) and back up power supply (UPS) systems.

Performance

- High energy and power density
- Cycle life 3000+
- Excellent charge and discharge capability (>>1C)
- Temperature operating window (0 - 55°C)
- 100% useable nameplate capacity
- Advanced BMS for individual cell protection

Safety & Certification

- Lithium iron phosphate chemistry
- End of life recyclable
- 3 Year warranty (terms & conditions apply)
- UL Certified
- Pressure relief safety valve

Customizable

- Modular design for flexible scalability
- Customizable voltage (LV & HV)
- Threaded terminal connections

Applications



Industrial & Commercial Storage



Back up Power Supply (UPS)



On Grid Storage



Electrical vehicles



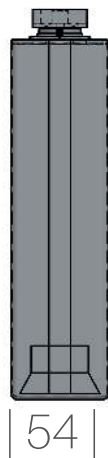
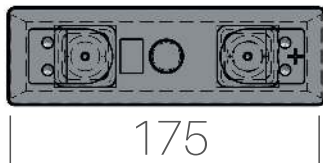
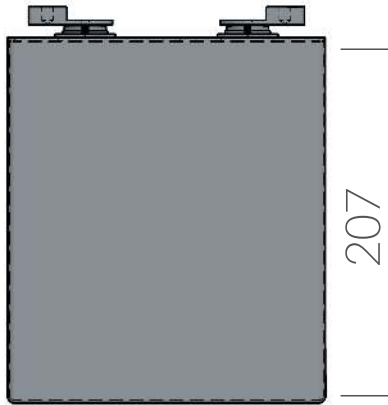
Off Grid Storage



Auxiliary Power: Road & Marine



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Technical Battery Specifications:

General

Nominal Capacity	206Ah
Nominal Voltage	3.2 V
Nominal Energy	659.2 Wh
Specific Energy	160.0 Wh/kg
Energy Density	355Wh/L
Operating Voltage	2.5 - 3.65 V
Cell Impedance	0.4mΩ
Shipping/Storage Capacity	50% SOC
Operating Temp (Charging)	0 - 55°C
Operating Temp (Discharge)	-20 - 55°C
Storage Temperature	-30°C - 55°C
Self Discharge	≤3% /month

Mechanical

Width	54 mm
Height	207 mm
Length	175 mm
Weight	4 kg

Electrical [25°C]

Maximum Discharge Voltage	2.5V
Maximum Charging Voltage	3.65V
Maximum Discharge	3C
Maximum Charge	0.5C

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Fig. 1 Cycle Life: 100% DOD at 25°C

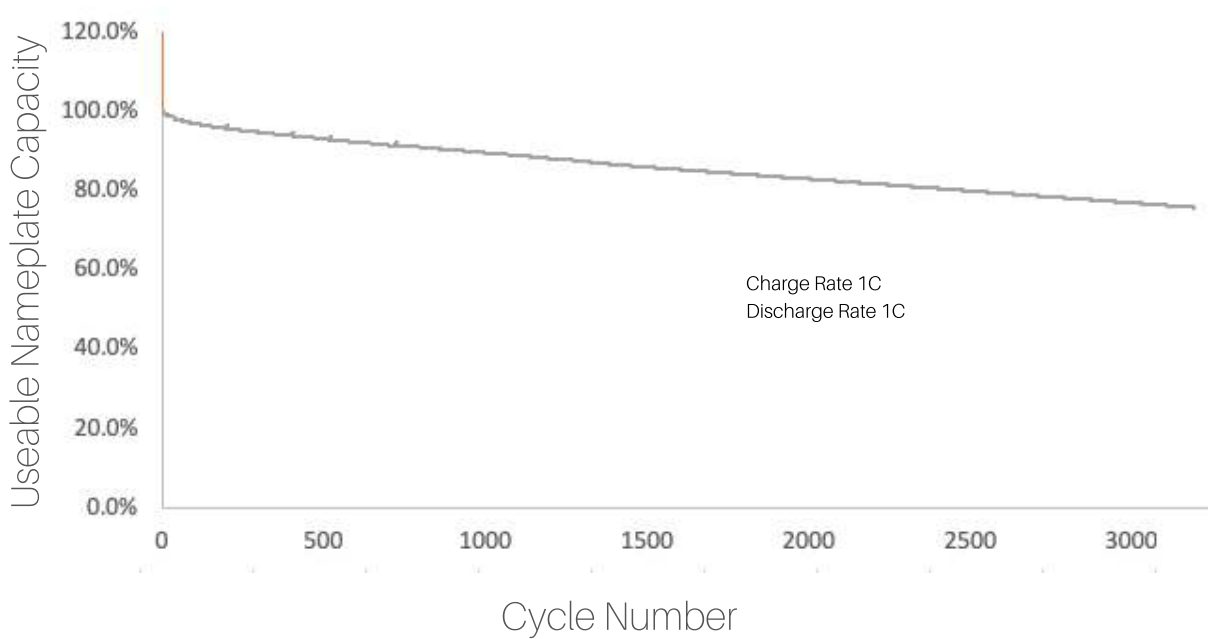


Fig. 2 Discharge curve: 1C discharge at 25°C

