

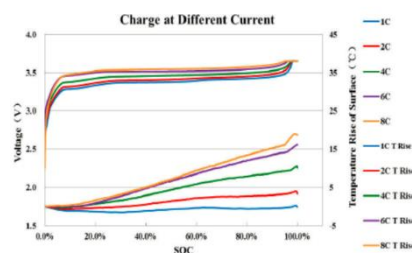
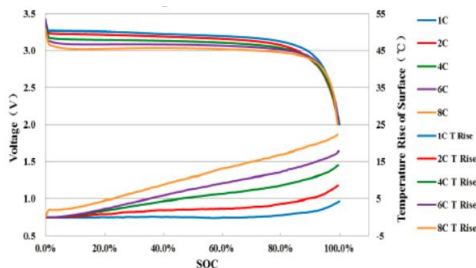
Premium Lithium Cell

EP-LFP-40Ah

- Holistic safety concept of cell.
- Outstanding cycle life with maximum reliability.
- Continuously improved energy density through new materials and light weighting technology.
- Modular design for various applications and easy upgrade to next generations.
- Standardized cell format.

Item	Specification	
	Dimension (Welding terminal)	27.5 X 148 X 132.6 mm
	Dimension (Bolt terminal)	27.5 X 148 X 146.6 mm
	Weight	Max. 1050 ± 30g
	Min. capacity	40Ah (0.5C) @ 25°C
	Min. energy	128Wh (0.5C) @ 25°C
	SOC window	10 - 90%
	Terminal	Welding or Bolt terminal M6
	Impedance (1kHz)	≤0.7mΩ
Voltage	Max.	3.65 V
	Nominal	3.20 V
	Min.	2.50 V(>0°C)/2.00V(≤0°C)
Current	Maximum continuous charge	6C (240A), 10C (30s)
	Maximum discharge continuous / peak	6C (240A) , 10C (30s)
Energy density	Gravimetric	120Wh/Kg
	Volumetric	
Temp. Condition	Operation (Charge)	0 ~ 55°C
	Operation (Discharge)	-20 ~ 60°C
	Storage	-20 ~ 60°C
Self-Discharge Rate	50% SOC and storage at 25±2°C for 3 months	≤3%
Cycle Life	0.5C/1C, 80% DoD 25°C	≥5000 cycles
Service Life	35°C average temperature	5 years
Abuse test	Overcharge, Over-discharge, Short, Heat	GB/T 31485-2015

Charge and discharge curve



Certification

