


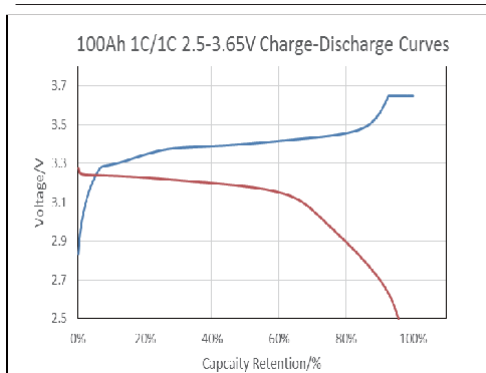
## Premium Lithium Cell

# EP-LFP100 S/W

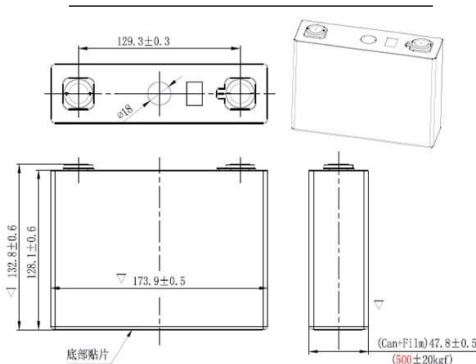
- Holistic safety concept of cell.
- Outstanding cycle life with maximum reliability.
- Continuously improved energy density through new materials and light weighting technology.
- Modular design for various applications and easy upgrade to next generations.
- Standardized cell format.

Item	Specification	
	Dimension	48mm x173.9mm x132.2mm
	Weight	Max.2.3kg
	Min. capacity	100Ah (1C) @ 25°C
	Min. energy	320 Wh (1C) @ 25°C
	Recommended SOC usage window	10 ~ 90%
	Terminal	Welding/Screw terminal
	Impedance (1kHz)	0.4mΩ
Voltage	Max.	3.65 V
	Nominal	3.20 V
	Min.	2.5V(0~60°C) / 2.0V(-20~0°C)
Current	Maximum continuous charge	100A
	Maximum continuous discharge	100A
Energy density	Gravimetric	139Wh/kg
	Volumetric	289Wh/L
Temp. Condition	Operation (Charge)	0 ~ 60°C
	Operation (Discharge)	-20 ~ 60°C
	Storage	-20 ~ 55°C
Self-Discharge Rate	Count after fresh cell need Standard Charge to 50%SOC and storage at 25± 2°C for 3 months	≤3.5%
Cycle Life	0.5C/1C, 80% DOD 25°C	3000 cycles
Service Life	35°C average temperature	5 years
Abuse test	Overcharge, Over-discharge, Short,	GB/T 31485-2015

### Charge and discharge Curve



### Dimension



### Certification

