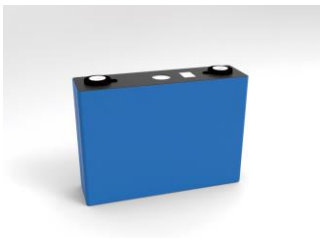


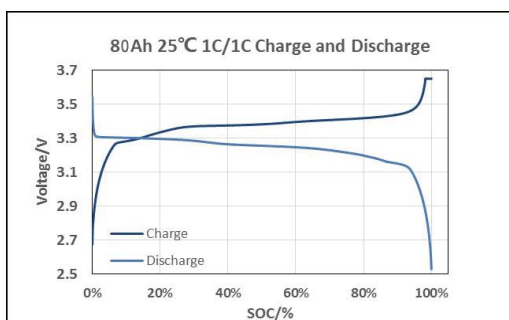
Premium Lithium Cell

EP-LFP-80Ah

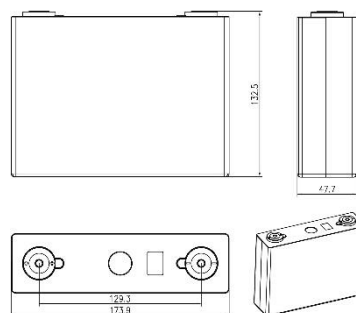
- Holistic safety concept of cell.
- Outstanding cycle life with maximum reliability.
- Continuously improved energy density through new materials and light weighting technology.
- Modular design for various applications and easy upgrade to next generations.
- Standardized cell format.

Item	Specification	
	Dimension (Welding / Screw terminal)	47.7mm x173.9mm x132.5mm
	Weight	Max. 2200g
	Min. capacity	80Ah (0.5C) @ 25°C
	Min. energy	256Wh (0.5C) @ 25°C
	SOC window	10 ~ 90%
	Terminal	Welding/ Screw terminal
	Impedance (1kHz)	0.4mΩ
Voltage	Max.	3.65 V
	Nominal	3.20 V
	Min.	2.50 V
Current	Maximum continuous charge	80A
	Maximum discharge continuous / peak	80A / 180A (60s)
Energy density	Gravimetric	116Wh/kg
	Volumetric	232Wh/L
Temp. Condition	Operation (Charge)	0 ~ 55°C
	Operation (Discharge)	-20 ~ 55°C
	Storage	-20 ~ 55°C
Self-Discharge Rate	Count after fresh cell standard charge to 50% SOC and storage at 25±2°C for 3 months	≤3%
Cycle Life	0.5C/1C, 80% DOD 25°C	4,000 cycles
Service Life	35°C average temperature	5 years
Abuse test	Overcharge, Over-discharge, Short, Heat	UN38.3, GB/T 31485-2015

Charge and discharge curve



Dimension



Certification

