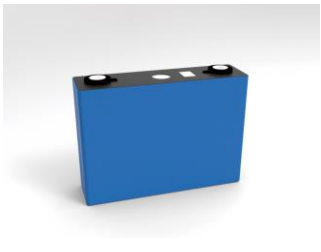


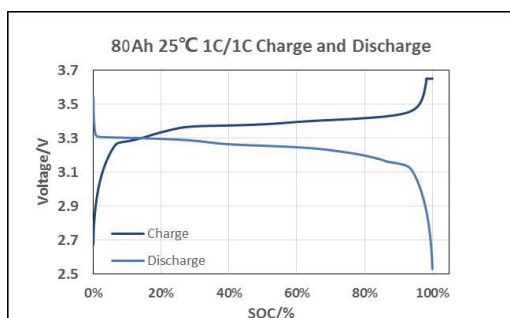
Premium Lithium Cell

ETC-LFP-80Ah

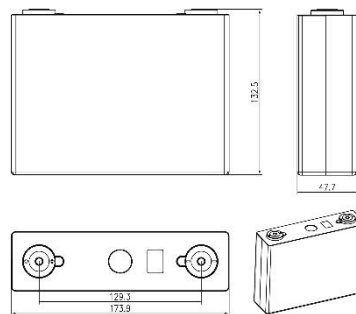
1. Holistic safety concept of cell .
2. Outstanding cycle life with maximum reliability.
3. Continuously improved energy density through new materials and light weighting technology.
4. Modular design for various applications and easy upgrade to next generations.
5. Standardized cell format.

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 month	≤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

