

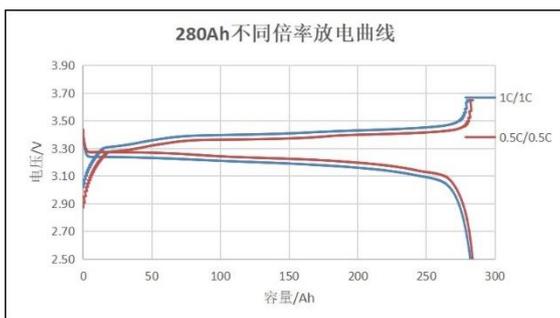
Premium Lithium Cell

EP-LFP-280Ah

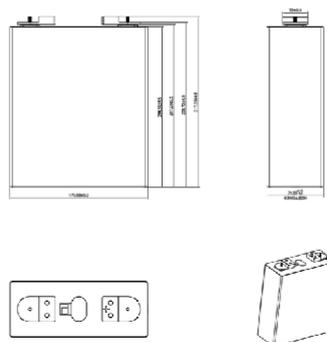
1. Holistic safety concept of cell.
2. Outstanding cycle life with maximum reliability.
3. Continuously improved energy density through new materials and light weighting technology.
4. Modular design for various applications and easy upgrade to next generations.
5. Standardized cell format.

Item	Specification	
	Dimension (Welding terminal)	71.55x173.93x207.23mm
	Dimension (Screw terminal)	71.80mm x 174.2mm x 217.1mm
	Weight	≤5.5kg
	Min. capacity	280Ah(0.5C) (25±2)°C
	Min. energy	896Wh(0.5C) (25±2)°C
	SOC window	10 ~ 90%
	Terminal	Welding
	Impedance (1kHz)	≤0.25mΩ
Voltage	Max.	3.65V
	Nominal	3.2V
	Min.	2.5V(0~60°C) / 2.0V(-20~0°C)
Current	Maximum continuous charge	1C
	Maximum continuous discharge	1C
Energy density	Gravimetric	163Wh/kg
	Volumetric	346Wh/L
Temp. Condition	Operation (Charge)	0 ~ 60°C
	Operation (Discharge)	-20~60°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/0.5C, 80%/60% DOD 25°C	6000cycles
Service Life	25°C average temperatures	5 years
Abuse test	Overcharge, Over-discharge, Short, Heat	UN38.3, GB/T 31485-2015

Charge and discharge curve



Dimension



Certification

