


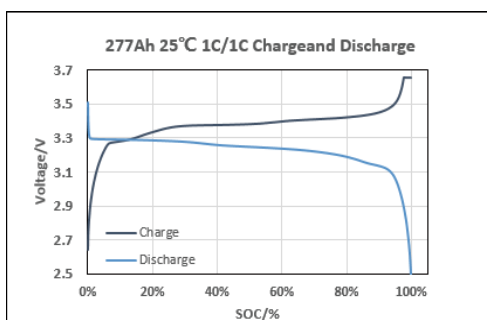
Premium Lithium Cell

ETC-LFP-277Ah

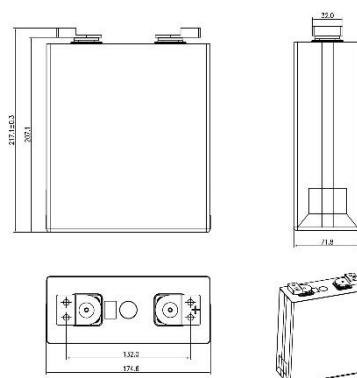
1. Holistic safety concept of cell .
2. Outstanding cycle life with maximum reliability.
3. Continuously improved energy density through new materials and light weighting technology.
4. Modular design for various applications and easy upgrade to next generations.
5. Standardized cell format.

Item	Specification	
	Dimension (Welding terminal)	71.8mm x174.6mm x207.1mm
	Dimension (Screw terminal)	71.8mm x174.6mm x217.1mm
	Weight	Max. 5350g
	Min. capacity	277Ah (0.5C) @ 25°C
	Min. energy	891Wh (0.5C) @ 25°C
	SOC window	10 ~ 90%
	Terminal	Welding/Screw terminal
	Impedance (1kHz)	0.4 mΩ
Voltage	Max.	3.65 V
	Nominal	3.20 V
	Min.	2.50 V
Current	Maximum continuous charge	277 A
	Maximum sustained discharge	277 A
Energy density	Gravimetric	164 Wh/kg
	Volumetric	357 Wh/L
Temp. Condition	Operation (Charge)	0 ~ 55°C
	Operation (Discharge)	-20 ~ 55°C
	Storage	-20 ~ 55°C
Self-Discharge Rate	50% SOC and storage at 25±2°C for 3 month	≤3%
Cycle Life	1C/1C, 80% DOD 25°C	3,000 cycles
Service Life	35°C average temperature	5 years
Abuse test	Overcharge, Over-discharge, Short, Heat	GB/T 31485-2015

Charge and discharge curve



Dimension



Certification

