


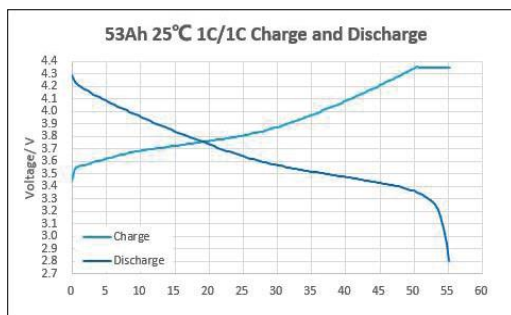
Premium Lithium Cell

ETC-NCM-53Ah

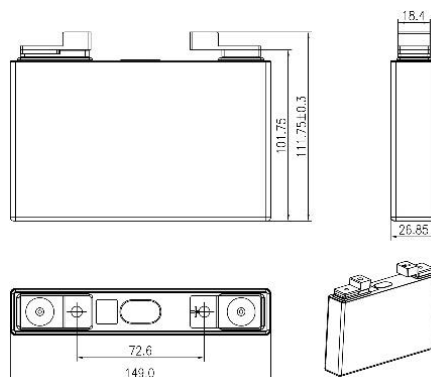
1. Holistic safety concept of cell .
2. Outstanding cycle life with maximum reliability.
3. Continuously improved energy density through new materials and light weighting technology.
4. Modular design for various applications and easy upgrade to next generations.
5. Standardized cell format.

General	Specification	
	Dimension (Welding terminal)	26.8mm x149mm x102mm
	Dimension (Screw terminal)	26.8mm x149mm x111mm
	Weight	940 g
	Min. capacity	53Ah (1/3C) @ 25°C
	Min. energy	204Wh (1/3C) @ 25°C
	SOC window	10 ~ 90%
	Terminal	Welding/ Screw terminal
	Impedance (1kHz)	0.8 mΩ
Voltage	Max.	4.35 V
	Nominal	3.72 V
	Min.	2.80 V
Current	Maximum continuous / fast charge	17.7A 0.3C / 53A 1C
	Maximum sustained / peak discharge	53A 1C / 159A 3C
Energy density	Gravimetric	210Wh/kg
	Volumetric	550Wh/L
Temp. Condition	Operation (Charge)	-15°C ~ 55°C
	Operation (Discharge)	-30°C ~ 55°C
	Storage	-30°C ~ 55°C
Self-Discharge Rate	50% SOC and storage at 25±2°C for 3 month	≤3%
Cycle Life	0.5C/1C, 80% DOD 25°C	2,000 cycles
Service Life	35°C average temperature	8 years
Abuse test	Overcharge, Over-discharge, Short, Heat	UN38.3, GB/T 31485-2015

Charge and discharge curve



Dimension



Certification

