


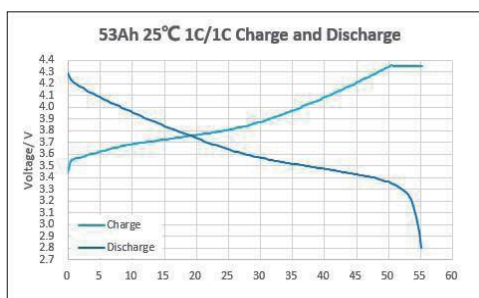
Premium Lithium Cell

EP-LFP53SAh

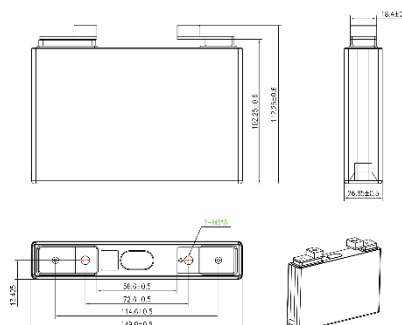
- Holistic safety concept of cell
- Outstanding cycle life with maximum reliability
- Continuously improved energy density through new materials and light weighting technology
- Modular design for various applications and easy upgrade to next generations
- Standardized cell format is compatible with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

Item	Specification	
 <p>C2-NCM 53W C2-NCM53S</p>	Dimension (Welding terminal)	26.85mm x149mm x101.75mm
	Dimension (Screw terminal)	26.85mm x149mm x 111.75mm
	Weight	Max. 1010 g
	Min. capacity	53Ah (1/3C) @ 25°C
	Min. energy	204 Wh (1/3C) @ 25°C
	Recommended SOC usage window	10~ 90%
	Terminal	Welding/Screw terminal
	Impedance (1kHz)	0.8mΩ
Voltage	Max.	4.35 V
	Nominal	3.72 V
	Min.	2.80 V (-5°C≤T≤55°C)
Current	Maximum continuous charge	53A
	Maximum continuous discharge	53A
Energy density	Gravimetric	220Wh/kg
	Volumetric	550Wh/L
Temp. Condition	Operation (Charge)	-15 ~ 55°C
	Operation (Discharge)	-30 ~ 55°C
	Storage	-30 ~ 55°C
Self-Discharge Rate	Count after fresh cell need Standard Charge to 50%SOC and storage at 25±2°C for 3 months	≤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	GB/T 31485-2015

Charge and discharge Curve



Dimension



Certification

