


# EP-LFP53S/W

## Premium Lithium Cell

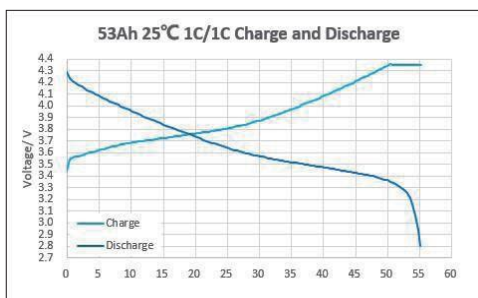


1. Holistic safety concept of cell.
2. Outstanding cycle life with maximum reliability.
3. Continuously improved energy density through new materials and light weighting technology.
4. Modular design for various applications and easy upgrade to next generations.
5. Standardized cell format is compatible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

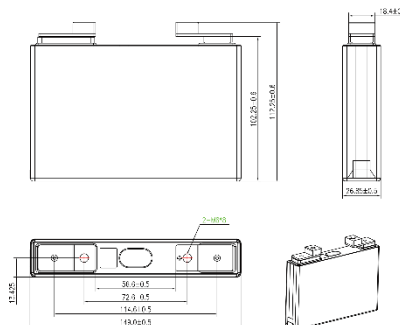
## Specification

Item	Specification	
 C2-NCM 53W C2-NCM53S	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.
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

