


EP-LFP50S/W

Premium Lithium Cell

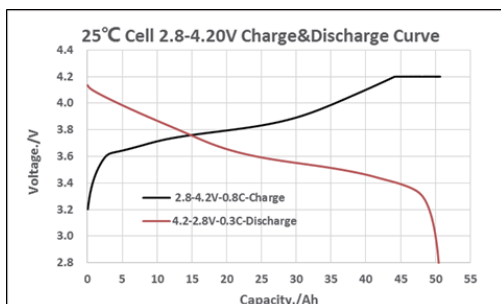


1. Holistic safety concept of cell.
2. Outstanding cycle life with maximum reliability.
3. Continuously improved energy density through new materials and light weighting technology.
4. Modular design for various applications and easy upgrade to next generations.
5. Standardized cell format is compatible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

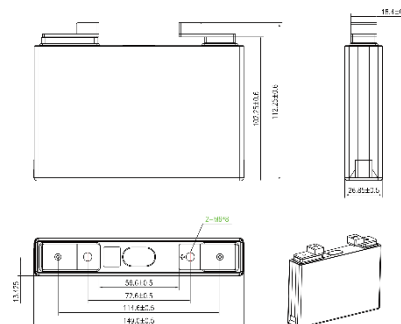
Specification

Item	Specification	
 C2-NCM 50W C2-NCM50S	Dimension (Welding terminal)	26.85mm x149mm x102.25mm
	Dimension (Screw terminal)	26.85mm x149mm x 112.25mm
	Weight	910±180 g
	Min. capacity	50Ah (1/3C) @ 25°C
	Min. energy	186 Wh (1/3C) @ 25°C
	Recommended SOC usage window	10~ 90%
	Terminal	Welding/Screw terminal
	Impedance (1kHz)	0.8mΩ
Voltage	Max.	4.2 V
	Nominal	3.72 V (1/3C)
	Min.	2.8 V (-5°C ≤ T ≤ 55°C)
Current	Maximum continuous charge	50A
	Maximum continuous discharge	50A
Energy density	Gravimetric	204Wh/kg
	Volumetric	456.8Wh/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

