

# 3.2v 80Ah/82Ah LiFePO4 Battery

Brand new Grade A 3.2v 80ah/82ah LiFePO4 battery cell. Battery terminals come with M4 screw holes. And different terminals, screws and busbars are available. The 80ah/82ah LiFePO4 battery cells comply with MSDS, UN38.3, UL, CB, CE and other certificates.

## 3.2v 80Ah/82Ah LiFePO4 Battery Datasheet



Nominal Voltage: 3.2v

Nominal Capacity: 80Ah/82Ah

Cell Weight: 1.68 ± 0.05kg

Work Voltage: 2.5-3.65V

Internal Resistance: ≤0.5mΩ

Dimension: 130.3\*36.7\*170.5mm

Energy Density: 156.19Wh/kg

Standard Charge/Discharge Current: 0.5C/0.5C

Operating Temperature: Discharge : -20-55°C, Charge: 0-55°C

Cycle Life: ≥3500 times

Recommend SOC window: 10%~90%

## 3.2v 80Ah/82Ah LiFePO4 Battery Datasheet

Item	Specification	Note
Nominal Capacity	82Ah	25±2 °C, Standard Charge and Discharge
Nominal Energy	3.2V	
Internal Resistance(1KHz)	≤ 0.5 mΩ	
Working Voltage	2.5-3.65V	
Dimensions(mm)	Width	130.3±0.3
	Thickness	36.7±0.5
	Height	165.5±0.5(Shoulder Height)
170.5±0.5(Total Height)		
Residual Capacity Loss	Per month ≤3%	30%~50%SOC, 25±2°C Storage
Working Temperature	Charge: 0°C~55°C	
	Discharge: -20°C~55°C	
Storage ambient humidity	< 95%	

Recommended SOC Range	10~90%SOC	
Cell Weight	1.68±0.05 Kg	
Energy Density	156.19 Wh/kg	
Cycle Life @25°C	≧ 3500Cycles @1C	
Standard Charge Rate	0.5C	25±2°C
Standard Charge Method	0.5C CC to 3.65V CV to 0.05C	
Standard Discharge rate	0.5C	
Shipping SOC	30%~50% SOC	

More Information Please Go to: [www.nbcellenergy.com](http://www.nbcellenergy.com). Or Email Us: [info@nbcell.com](mailto:info@nbcell.com)

## LiFePO4 Battery Accessories

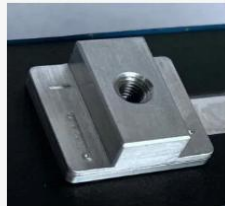
In a world where LiFePO4 battery cells often come with flat terminals, our clients frequently seek assistance in welding battery terminals for future convenience. Below are samples of the terminals we've provided, giving you the freedom to choose according to your needs.

Unsure about the right terminal for you? Don't worry! With our wealth of experience, we're here to offer advice or craft the customized terminals just for you.

And it doesn't stop there! In addition to terminals, busbars, screws and other battery components are equally indispensable. We tailor-fit accessories according to various LiFePO4 battery cells models, ensuring seamless compatibility. From BMS to battery enclosures and beyond, we've got you covered for all your battery accessory needs.



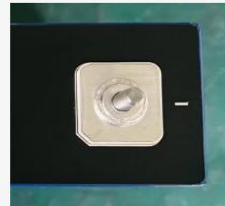
Flat Terminal



Welding Terminal With Srew Hole



Customised Terminal



Terminal With Stud



Terminal With Srew Hole



Busbars And M6 Screws



M4 Screws And Busbar



Busbars



Customised Busbars



BMS

More Information Please Go to: [www.nbcellenergy.com](http://www.nbcellenergy.com). Or Email Us: [info@nbcell.com](mailto:info@nbcell.com)