

Long Lifespan and Ultra Safe Rechargeable Cell

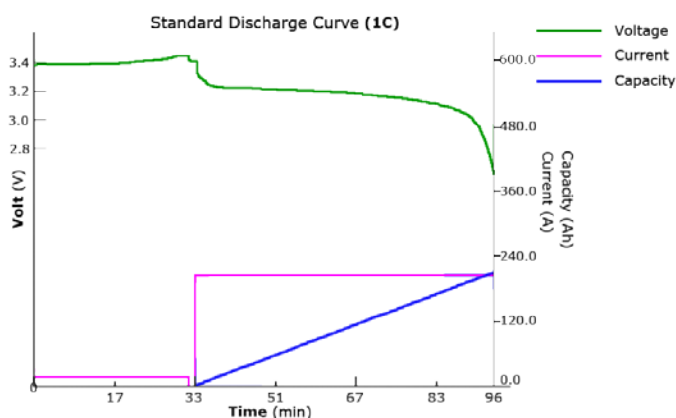
Lithium Iron Phosphate Cells (LiFePO₄), BP-HZPP series

Bestgo Power Co., Ltd. specializes in developing and manufacturing advanced LiFePO₄ batteries which feature both high power and energy densities with a long lifespan and ultra safe performance. Bestgo Power's unique water-based manufacturing technology can help customers design products that outperform other LiFePO₄ batteries. Company also takes advanced technologies include updated battery materials, effective manufacturing method, high precision quality control system and abundant safety design etc. Bestgo Power's high quality products would help customer build the excellent energy storage systems as customer required.



Overview

BP-HZPP-200 is one kind of Lithium Iron Phosphate rechargeable cells offered by Bestgo Power Co., Ltd. Due to the structure of LiFePO₄ molecular is quite stable, this kind of battery is the safest battery available for lithium batteries, they are quality reliable even in some bad abuse conditons. They are also featured as high power output, wide temperature adaption, long lifespan and ultra safety.



Specifications (BP-HZPP-200)

Cell Dimensions (L*W*H)	255*62*264 mm
Without terminals	10.0*2.44*10.4 inches
Cell Weight	7.2kg ± 0.05kg / 15.8 lbs
Rated Capacity (C/2 Discharge, 23°C)	200Ah
Charge Voltage	3.65V Standard (3.4V Float, 3.85V Cut-off)
Operating Voltage	3.2V @ C/3, 23°C/73°F (2.5V Cut-off)
Nominal Discharge Current	≤600A (3C)
Pulse Discharge Current (10sec, 23°C)	≤800A (4C)
Nominal Charge Current	≤100A (1C, 23°C/ 77°F)
Internal Resistance	≤ 0.8 mΩ
Operating Temperature	Charge: 0°C ~ 45°C Discharge: -25°C ~ 55°C
Cycle Life (23°C, at +/- C/3 rate)	≥2,000 times @ 80%DOD ≥1,500 times @ 100%DOD
Standard Charging Method (CC / CV mode)	C/3 Constant Current to 3.65V Limit, then Constant 3.65V Voltage with Current Taper to C/20.

Performance may vary depending on, but not limited to cell usage and application. If cell is used outside specifications, performance will diminish. All specifications are subject to change without notice. All information provided herein is believed, but not guaranteed, to be current and accurate.