

Long Lifespan and Ultra Safe Rechargeable Cell

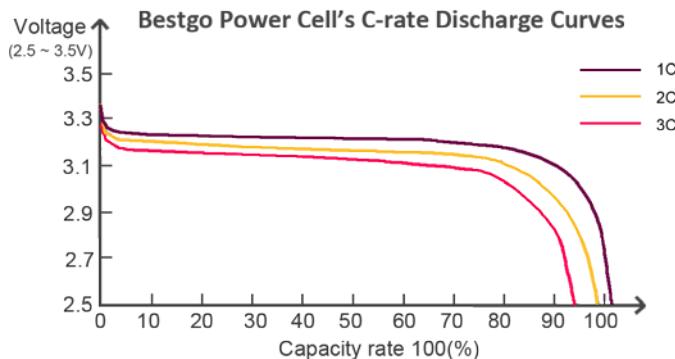
Lithium Iron Phosphate Cells (LiFePO4), BP-HZPP series

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-160 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.



S	BP	HZPP
Cell Dimensions (L*W*H)	255*57*264 mm	
Without terminals	10.0*2.24*10.4 inches	
Cell Weight	5.6 kg ± 0.05kg / 12.3 lbs	
Terminals	M18 / M6 Bolts	
Rated Capacity (C/2 Discharge, 23°C)	160Ah	
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	≤480A (3C)	
Pulse Discharge Current (10sec, 23°C)	≤640A (4C)	
Nominal Charge Current	≤160A (1C, 23°C/ 77°F)	
Internal Resistance	≤ 1 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.	

For a specific application, please fill out [the online survey form](#) then submit it to us, we would arrange the best person in Bestgo-Power then response to you immediately. You may also contact us via info@bestgopower.com.

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.

Revision Date July 2011
HZPP series Datasheet
BPPDS201107 H10