

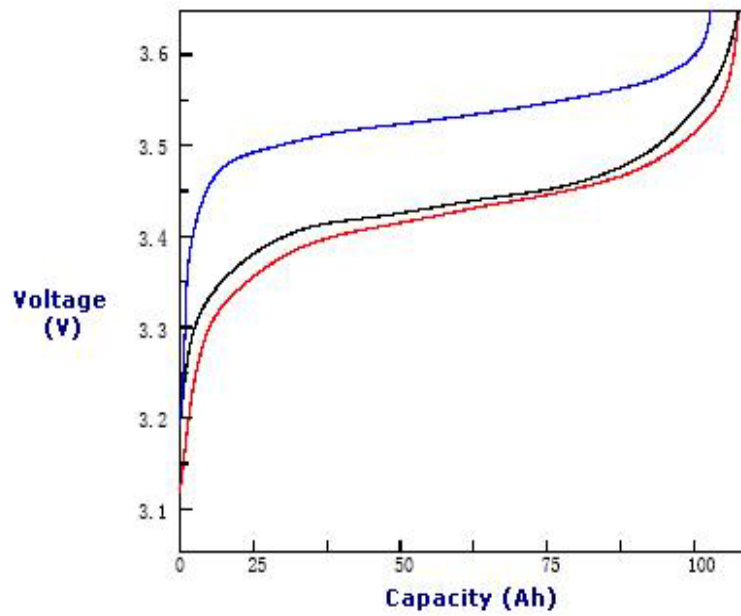
**Specification of**  
**LiFePO4 Prismatic Module: 3.2V 100Ah, 3C Rate (320Wh)**



AA Portable Power Corp (<http://www.batteryspace.com>)  
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Prepared & Approved by Max (09/20/10)

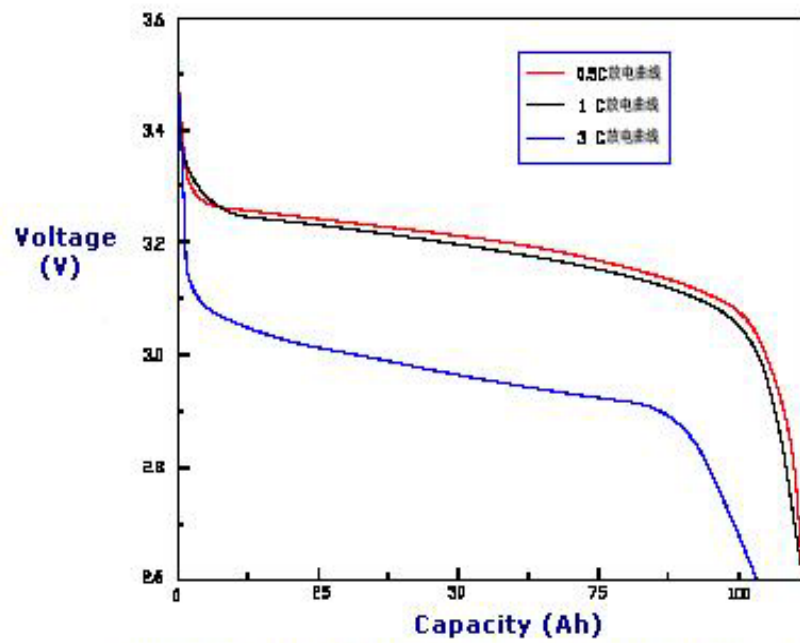
Nominal Capacity	100Ah	Working Voltage	Single cell charging: 3.8V
			Battery pack charging: 3.65V
			Single cell charging: 2.5V
			Battery pack discharging: 2.8V
Max. Charging Current	$\leq 3C$	Max. Discharging Current	Consistent Current: $\leq 3C$
			Impulse Current: $\leq 10C$
Standard Charging Current	0.3~0.8C	Best Charging Current	0.5C
Internal Resistance	$\leq 1.8m\Omega$	Cycle Life	Single cell $\geq 2000$ times (80%DOD)
			Battery pack $\geq 1500$ times (80%DOD)
Temp. resistance of Shell	$\leq 135^{\circ}C$	Working Temperature	Charging: $>0^{\circ}C$
			Discharging: $-20^{\circ}C-65^{\circ}C$
Self Discharge rate ( month)	$\leq 3\%$	Cell Weight	3kg $\pm$ 100g
Energy Density	90~110Wh/kg	Power Density	$>800w/kg$
Dimension	126mm*65mm*234mm		

## Charging Curve



Note: Red = 0.5C rate, Black = 1.0C rate, Blue = 3.0C rate

## Discharge Curve



Note: Red = 0.5C rate, Black = 1.0C rate, Blue = 3.0C rate