

Specification of

LiFePO4 Prismatic Module: 3.2V 40 Ah, 10C Rate (128 wh)



AA Portable Power Corp

AA Portable Power Corp (<http://www.batteryspace.com>)

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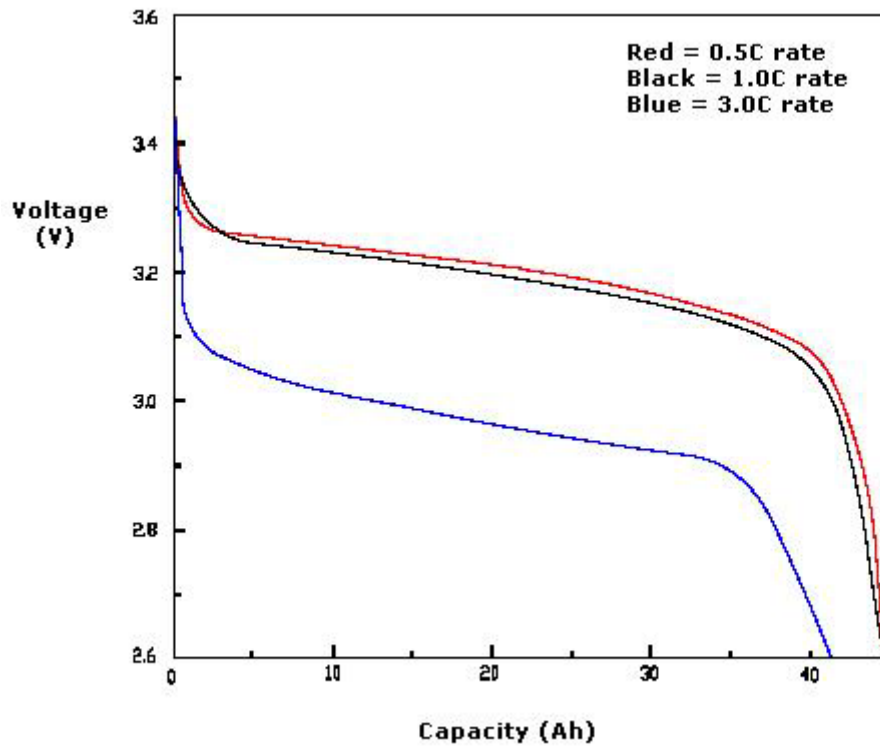
Fax: 510-439-2808

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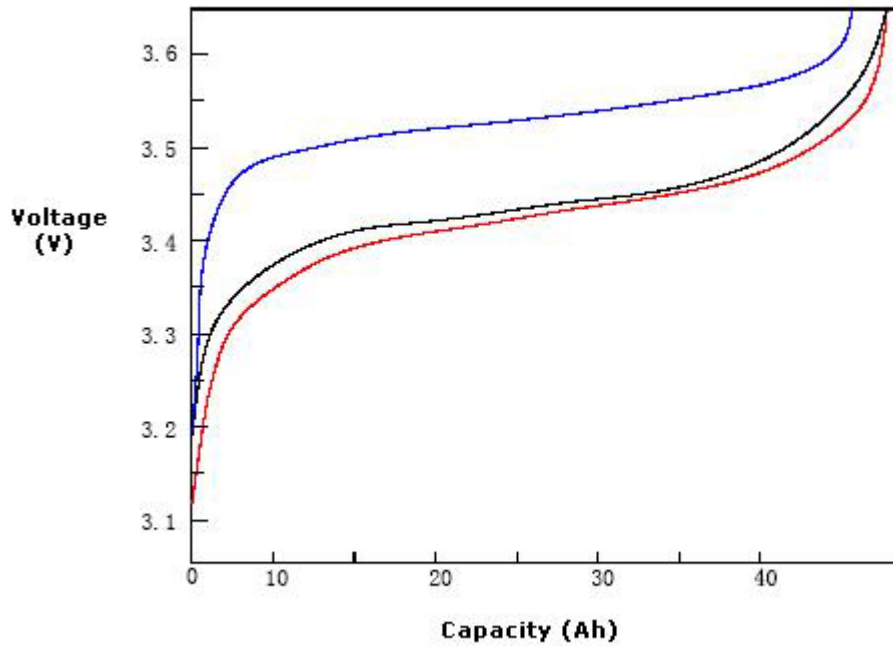
Prepared & Approved by Max (09/20/10)

Nominal Capacity	40Ah	Working Voltage	Single cell charging: 3.8V
			Battery pack charging: 3.65V
			Single Cell discharging: 2.5V
			Battery pack discharging: 2.8V
Max. Charging Current	$\leq 3C$	Max. Discharging Current	Continuous Current: $\leq 3C$
			Impulse Current: $\leq 10C$
Standard Charging Current	0.3~0.8C	Best Charging Current	0.5C
Internal Resistance	$\leq 2.5m\Omega$	Cycle Life	Single cell ≥ 2000 times (80%DOD)
			Battery pack ≥ 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	1.4kg \pm 100g
Energy Density	85-100Wh/kg	Power Density	$> 800w/kg$
Single Cell Dimension	126mm*46mm*180mm		

Discharge Curve



Charging Curve



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