

Palm LITHIUM

[.com](http://pallithium.com)

12V 100Ah

1280Wh LiFePO4 Battery

General - SPECIFICATIONS

Nominal Voltage	12.8 V
Nominal Capacity	100 Ah
Chemistry	LiFePO4
Cell Type	Prismatic
25 Amp Discharge (100% DOD)	240 minutes
Watt-Hour	1280Wh
Cycle Life	Based on DOD
Length (inches)	13
Width (inches)	6.8
Height Excluding Terminals (inches)	8.5
Weight (lbs)	29
Battery Case	ABS - Plastic
Terminal Torque	80 - 100 in-lbs
Terminal Type	M8 x 1.25
Self Discharge	3% per Month
Maximum Batteries in Series	4
Maximum Batteries in Parallel	4
BCI - Battery Group Size	31
Battery Use	Deep Cycle

Discharge - SPECIFICATIONS

Continuous Discharge Current	150 A
Surge Discharge Current (10s)	300 A
Typical BMS CUT-OFF Current	+ 300 A
Max Discharge Voltage	11 V
Typical BMS Low Voltage CUT-OFF	10 V
Typical BMS Low Voltage RECONNECT	+ 10 V

Charge - SPECIFICATIONS

Charge Current - MAX	30 A
Charge Voltage - Best	14.4 V
Charge Voltage - MAX	14.6 V
Typical BMS High Voltage CUT-OFF	+14.6 V
Typical BMS Reconnect Voltage	- 14.6 V

Temperature - SPECIFICATIONS

Discharge Temperature Range	0 to 130 ° F
Charge Temperature Range	32 to 110 ° F
Typical BMS Temperature CUT-OFF	+ 140 ° F
Typical BMS Temperature Reconnect	- 140 ° F

Warranty - OPTIONS

4 Year Standard	Default
7 Year Upgrade	Optional Purchase
10 Year Upgrade	Optional Purchase
Limited Lifetime Upgrade	Optional Purchase

Product - IMAGE



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