

# LITHIUM BATTERY SPECIFICATIONS



**NEW!** Lithium Batteries for Automotive and Motorsport Use!

**Direct Replacement.** For many popular Battery Sizes/Groups.

**High Power.** Available with 1100 or 1500 Cranking Amps.

**Battery Management System.** Built-in each battery.

**Lightweight.** Drop approximately 45lbs! 70% lighter.

**Proven Superior.** The Best LIFEP04 Lithium Batteries on Earth.

Type	LiFePO4 Lithium-Iron Phosphate	
Model	AA1100	AA1500
Nominal capacity (Amp Hour)	60 Amp Hour	100 Amp Hour
Operating Voltage	12V to 12.8V	
Max Charge Voltage	14.4 ± 0.2V (12.6V Charge Cutoff)	
Cranking Amps	1100 CA	1500 CA
OEM Replacement	Group 35 / Q85 Group 35 Group 47 Group 51R	Group 31 Group 48 Group 94
Actual Battery Dimensions	9 x 6.8 x 8"	12 x 6.8 x 8"
Weight	16.5LBS	26LBS
Max. Charge Current	80A	
Max. Discharge Current	100A	
Minimum Life Cycles	>2500	
Case Material	ABS	
Work Temp	-20~+60°C	
Humidity	45~85%RH	

[www.PacificSunSystems.com/Lithium](http://www.PacificSunSystems.com/Lithium)  
[sales@pacificsunsystems.com](mailto:sales@pacificsunsystems.com)

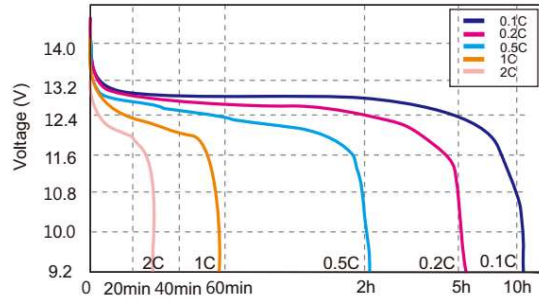
Pacific Management Group LLC dba Pacific Sun Systems  
 300 S Highland Springs Ave, Suite 3, #203 Banning, CA 92220

\*Lithium Batteries cannot be connected in a Series, but can be connected in Parallel. Specifications Are Subject To Change Without Notice, Please handle all batteries with Caution. For Terms and Conditions Visit [www.pacmgmt.com](http://www.pacmgmt.com)

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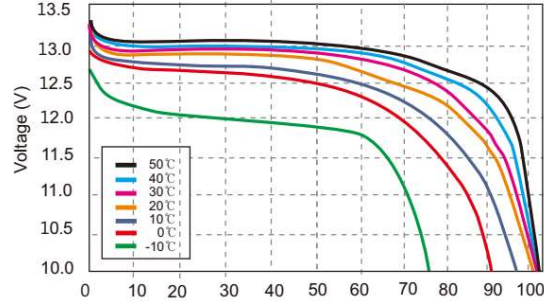
## Different Rate Discharge Curve

Different Rate Discharge Curve @25°C



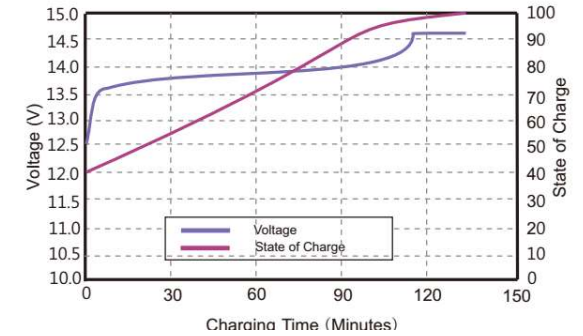
## Different Temperature Discharge Curve

Different Temperature Discharge Curve @0.5C



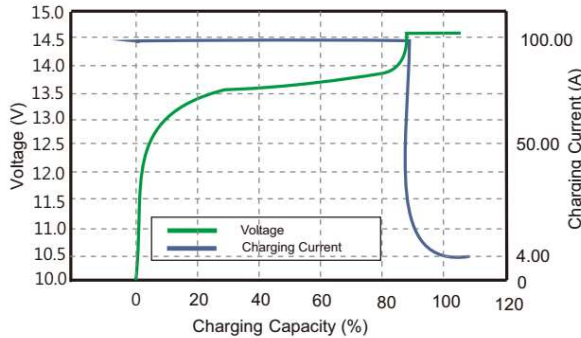
## State of Charge Curve

State of Charge Curve @0.5C 25°C



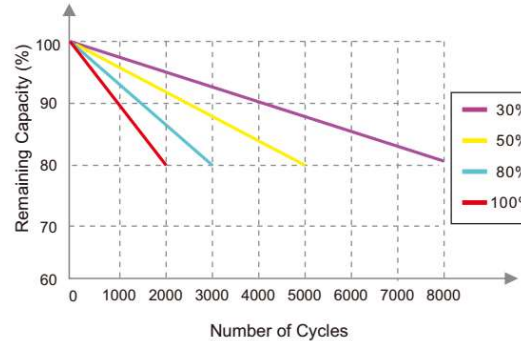
## Charging Characteristics

Charging Characteristics @0.5C 25°C



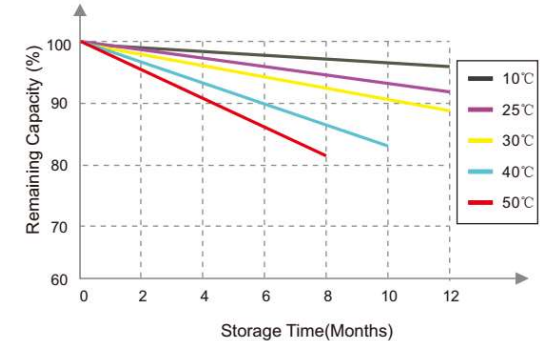
## Cycle Life Curve

Different DOD Discharge Cycle Life Curve @1C



## Self Discharge Characteristics Curve

Different Temperature Self Discharge Curve



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# LITHIUM BATTERY SPECIFICATIONS

## LITHIUM BATTERY INTERNATIONAL WARRANTY

The period of the warranty begins on the date of delivery to the original user and lasts for the period shown. This warranty excludes any and all damages caused during shipping. This warranty includes all international customers, including international freight. Extended warranties are available through your reseller or dealer.

Product	Warranty Period	What's Covered	Freight Paid?
LIFEPO4	Four Years	Parts and Labor	If Defective
Li(NiCoMn)O2	Three Years	Parts and Labor	If Defective

MODEL NO. \_\_\_\_\_  
SERIAL NO. \_\_\_\_\_  
NAME OF ORIGINAL USER: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
PHONE NUMBER OR EMAIL: \_\_\_\_\_

\*Warranty from NRRG China

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