

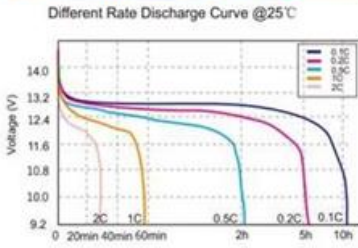


SPECIFICATIONS & WARRANTY

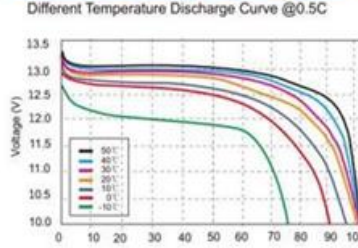
							
Model	12V200AH	12V300AH	12V400AH	24V100AH	24V200AH	48V100AH	48V200AH
Nameplate Voltage	12 Volt	12 Volt	12 Volt	24 Volt	24 Volt	48 Volt	48 Volt
Nominal Capacity	200 Amp Hour	300 Amp Hour	400 Amp Hour	100 Amp Hour	200 Amp Hour	100 Amp Hour	200 Amp Hour
Standard Case Material	ABS	Steel	Steel	ABS	Steel	Steel	Steel
Case Dimensions (inches)	20.5 x 9.5 x 8.7	30.5 x 10.5 x 8.7	20 x 11 x 8.5	20 x 9.5 x 8.7	20 x 11 x 8.5	20 x 11 x 8.5	23 x 14.5 x 15
Weight (lbs)	53	76	115	53	115	115	220
Connection Type	M8	M10	M10	M8	M10	M10	M10
Cell Type	LIFEP04 Lithium Phosphate						
Life Cycles	>5000+						
Nominal Voltage	12.8			25.6		51.2	
Charge Cut-Off Voltage	14.6V ± 0.2V			29.2V ± 0.4V		58V ± 1.0V	
Discharge Cut-Off Voltage	10.0V ± 0.4V			21.0V ± 0.4V		42V ± 2.0V	
Continuous Discharge Current	100A	150A		150A			
Maximum Input Charge Current	50A	60A		100A			
Changeable BMS Parameters	No	Yes	Yes	No	Yes	Yes	Yes
BMS Protection	Over-Charging, Over-Discharging, Overload, Short-Circuit, General Overload and Temp Monitoring						
Bluetooth Monitoring Available	Available / Optional						
For Use In Parallel	Yes (8 Batteries Maximum Parallel)						
For Use In Series	Yes (4 Batteries Maximum Series)						
Case Color	White or Black						
Custom Case Available	Custom Dimensions and Stainless Steel Optional						
Warranty	4 Year, No Charge for Replacement Parts including BMS						
Operating Temperature Range	Charging: 32° to 113°F Discharging: 14° to 140°F						
Ideal Operating Temp	50° to 100°F						
Recommended Storage Temp	60° to 77°F						
Recommended Humidity Range	45% - 77% RH						

SPECIFICATIONS & WARRANTY

Different Rate Discharge Curve



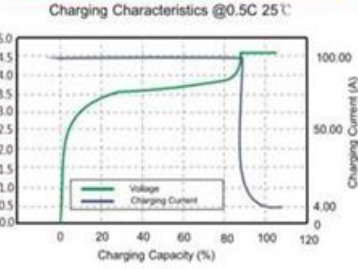
Different Temperature Discharge Curve



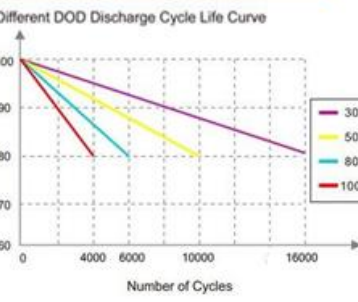
State of Charge Curve



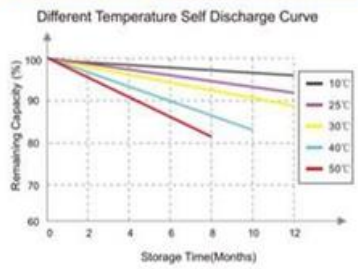
Charging Characteristics



Cycle Life Curve



Self Discharge Characteristics Curve



SPECIFICATIONS & WARRANTY

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	If Defective
Li(NiCoMn)O2	Three Years	Parts	If Defective

MODEL NO. _____

SERIAL NO. _____

NAME OF ORIGINAL USER: _____

ADDRESS: _____

PHONE NUMBER OR EMAIL: _____

SPECIFICATIONS & WARRANTY

All batteries purchased are guaranteed to be free from defects in material and workmanship. Our Batteries Guarantee Period is described below:

LIFEP04 LITHIUM = 4 Years (48 Months) Li(NiCoMn)02

LITHIUM = 3 Years (36 Months)

* Period of Guarantee from the date of shipment.

PLEASE NOTE:

1. The battery must be properly installed and maintained in accordance with the Installation and Operating procedure manual.
2. A battery will not be considered defective unless it fails to deliver 80% or less of its quoted capacity during the guarantee period.
3. Each battery must be stored, charged, discharged and stored in accordance with the printed instructions.
4. User agrees that the manufacturer or his agent shall be granted inspection access with reasonable notice.

DISCLAIMER: Warranty will not be provided in event of the following circumstances.

1. Guarantee & Warranty is void if temperature exceeds the recommended operating temperature range.
2. Guarantee & Warranty is void if the battery becomes unserviceable due to fire, wreckage, freezing, neglect, abuse, or any other act of GOD, use of battery additions, parts of the battery are tampered with or modified, or the battery is serviced by persons not authorized.
3. Guarantee & Warranty is void if the batteries are used in conjunction with other brand batteries.
4. Guarantee & Warranty is void if the batteries damaged by man-made, unnormal use or move cause battery cover and internal failure
5. Guarantee & Warranty is void if the batteries flatulence and swelling by heavy over-charging.
6. Guarantee & Warranty is void if the batteries damaged by other Battery accessories. Such as battery charger.

SPECIFICATIONS & WARRANTY

CLAIMS PROCESS:

Please contact our warranty department and submit the information as below to us:

1. Invoice/docket number
2. Your name/company name
3. Battery model, problem battery quantity
4. A brief description of the battery problem
5. A brief description of how to use the battery. (ex: Exact Application, Exact use of the battery as single cell or as battery bank, if battery bank, what's the voltage and capacity, Discharge current and working time of the battery, Working environment and temperature)
6. Picture or video of the battery
7. The picture when you test the voltage, show the value of voltage
8. The picture of manufacture code (on the top of the cover)
9. The picture of all problem quantity battery
10. Front photo of the battery

CLAIMS:

1. Upon satisfactory proof of claim as determined by us, the part will be repaired or replaced based on the original purchase price and the portion of the warranty term remaining to be applied towards the purchase of a replacement battery (Pro Rate may apply).
2. Under no circumstances can product be returned, credited or exchanged without prior written authority.