

Lithium LiFePo₄ Deep Cycle Battery



Features & Benefits

- Built in management system
 - Equalises and protects cells
 - Low and over charge voltage cut-out
 - Automatic re-connect for low & over charge cut-out
- Clean voltage for the entire cycle
- Extends the life of electronics, starters & alternators
- Light Weight – 1/3 the weight of lead acid
- No maintenance – completely sealed with no water levels to check
- Long cycle life
 - 2000 to 3000 charge cycles vs. 200 to 300 charge cycles for lead acid
- Eco friendly – non toxic and re-cycleable
- Wide operating temperature range
- Easy installation – drop in sizes & mountable in any direction
- Large distribution network throughout the South Pacific
- ISO 9001 Certified
- UN/DOT 38.3 Certified

Models and Ratings

Model	Voltage	Amps
Lith12 100	12	100
Lith12 160	12	160
Lith24 200	24	200

Sizes, Weights, Dimensions

Size	Weight	Dimensions (mm)
100amp	11.9kg	305L x 168W x 215H
160amp	23.0kg	485L x 170W x 242H
200amp	62.0kg	500L x 340W x 285H

Custom sizes and 24/48-volt configurations available upon application.



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Standard Features

- Built in management system (BMS)
- Low voltage and over charge cut-out
- Automatic re-connect for low & high voltage disconnect
- BMS controlled cell balancing
- Short circuit disconnect
- Sealed polycarbonate case
- 3 Year warranty on approved installations

Battery Details

Model	Lith12 100	Lith12 160	Lith24 200
Nominal Capacity	100Amp Hour	160Amp Hour	200Amp Hour
Nominal Voltage	12v	12v	24v
Life Cycles*	80% DOD 2000 Cycles 50% DOD 5000 Cycles	80% DOD 2000 Cycles 50% DOD 5000 Cycles	80% DOD 2000 Cycles 50% DOD 5000 Cycles
Self Discharge Rate	≤3%	≤3%	≤3%
Charge Voltage	14.6v	14.6v	29.2v
Max & Min Voltage Cut-off	Max Charge: 15.6v Min Discharge: 10v	Max Charge: 15.6v Min Discharge: 10v	Max Charge: 31.2v Min Discharge: 20v
Charge Current	Recommended: 20A Max: 50A	Recommended: 35A Max: 70A	Recommended: 20A Max: 100A
Discharge current	Recommended: 35A Max Continuous: 100A	Recommended: 35A Max Continuous: 100A	Recommended: 100A Max Continuous: 200A
Optimum Operating Temperature	-10~50°C	-10~50°C	-10~50°C
Optimum Storage Temperature	-20~50°C	-20~50°C	-20~50°C
Case	Polycarbonate	Polycarbonate	Coated Metal
Waterproof Grade	IP54	IP54	-

*Life cycles are prediction only under ideal conditions. Actual applications and environmental conditions may alter these figures.

Standards and Testing

ISO 9001 Certification
CE Certification
RoHS Certification
SGS & Intertek Audited Annually
UN/DOT 38.3 Certification

Warranty Policy

Revolution Power Australia's Lithium Batteries have a 36 month warranty for supervised applications. A supervised application is an installation where Revolution Power Australia is involved with the contractor or client and approves the set-up. Non-supervised or commercial applications that we are not consulted have a 12-month warranty. The warranty period starts at the time of purchase. If the original receipt is lost, the warranty will be based on the battery date code. The warranty covers failure due to defects in material or workmanship. It does not cover failure caused by abuse, neglect, breakage, incorrect charging or discharging and sulphation. The warranty does not cover consequential damage or injury, discharge batteries, rental, freight, labour or administrative costs. Warranty replacement will only occur after batteries are returned to base, tested and battery failure deemed to be a genuine claim. Revolution Power Australia cannot issue monetary credit and a claim cannot be made against the previous purchase of a new battery at regular price.

After Sale Support

A large distribution network supports Revolution Power Australia's batteries throughout Australia and the South Pacific. This network of knowledgeable distributors will help you select and install a battery system that meets the requirements of your specific application. Our network provides technical and installation advice, along with technical and material data sheets.



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