



# REVOLUTION POWER AUSTRALIA

## RPL12-100 LiFePO<sub>4</sub> Deep-Cycle Lithium Battery

# *Proven Paralleling Performance*



**3** Years  
Replacement  
Warranty

Revolution Power Australia's lithium batteries are the ultimate in deep-cycle battery technology delivering unrivalled performance and product life span. Australia's most advanced state of the art Battery Management System (BMS) inbuilt ensures peace of mind, when it comes to battery protection and safety.

- **Lighter Weight:** Up to 1/3 the weight of traditional AGM batteries
- **Faster Recharge:** 5x faster recharge times than AGM's
- **Longer Life Cycle:** Up to 5000 cycles at 50% depth of discharge
- **Extremely Low Self-Discharge Rate:** can sit unused for longer periods of time
- **Purposely Built:** for Caravans, Camper trailers, Motor homes, 4WD, Marine Vessels, Trucks
- **Proudly Australian Owned and Operated**
- **Built-in Battery Management System:** Controls cell balancing, over and under voltage protection, short circuit protection, thermal protection
- **Proven Parallel Ability:** Use in parallel to increase your capacity for longer storage
- **High Discharge Rate:** holds voltage under high discharge
- **Flat Discharge Curve:** longer run time and more efficient
- **Safety:** LiFePO<sub>4</sub> is the safest and most stable of all lithium chemistries reducing associated risks



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## RPL12-100 LiFePO4 Deep-Cycle Lithium Battery

### Electrical Specifications

Total Capacity	125Ah
Usable Capacity (C20, 25°C)	100Ah
C20 Rating (useable Amps to 10.5v)	100
Nominal Voltage	12.8v
Self-Discharge Rate	≤ 3%
Short Circuit Protection	200-500us

### Discharge Specifications

Maximum Continuous Discharge	100A
Peak Discharge Current	400A Pulse 2-4 sec
Cell Discharge rating	1C
Discharge Cut Off Voltage	10.0v
Life Cycles 80% DOD	2000
Life Cycles 50% DOD	5000

### Operating Temperatures

Optimum Temperature Range	-10 ~ 50 °C
Operational Temperature Range	-40 ~ 80 °C
Storage Temperature Range	-40 ~ 120 °C

### Maximum Inverter Size

1000W Per Battery

### Mechanical Specifications

Dimension (L x W x H)	305x165x215mm
Weight	12.8Kg
Cell Chemistry	LiFePO4
Case Material	Polycarbonate IP54
Terminal Type	M8

### Charge Specifications

Recommended Charge Current	5A - 60A
Maximum Charge Current	60A
Recommended Charge Voltage	14.6V ± 0.2V
Charge Cut Off Voltage	15.6v

### Approved For Use In Internal/Enclosed Area

### Compliance

Certifications and Testing	ISO9001 Certified
	CE Certified
	RoHS Certified
	UN38.3 Certified
	SGS Audited
	Intertek Audited
	IEC Certified

### Dimensions

