



REVOLUTION POWER AUSTRALIA

RPL12-100LD LiFePO₄ Deep-Cycle Lithium Battery

Revolution Power 12v 100Ah Low Draw Lithium Battery

Lighter | **Faster** | **Longer**



2 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
- **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
- **Flat Discharge Curve:** longer run time and more efficient
- **Safety:** LiFePO₄ is the safest and most stable of all lithium chemistries reducing associated risks
- **Proudly Australian Owned and Operated**



REVOLUTION
POWER AUSTRALIA

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RPL12-100LD LiFePO4 Deep-Cycle Lithium Battery

Electrical Specifications

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

Discharge Specifications

Maximum Continuous Discharge (BMS)	50A
Peak Discharge Current (BMS)	120A Pulse 2-4 sec
Cell Discharge rating	.5C
Discharge Cut-Off Voltage	10.0v
Life Cycles 80% DOD	2000
Life Cycles 50% DOD	5000

Operating Temperatures

Optimum Temperature Range	0 ~ 45 °C
Operational Temperature Range	-20 ~ 60 °C
Storage Temperature Range	-40 ~ 120 °C

Maximum Inverter Size

500W 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

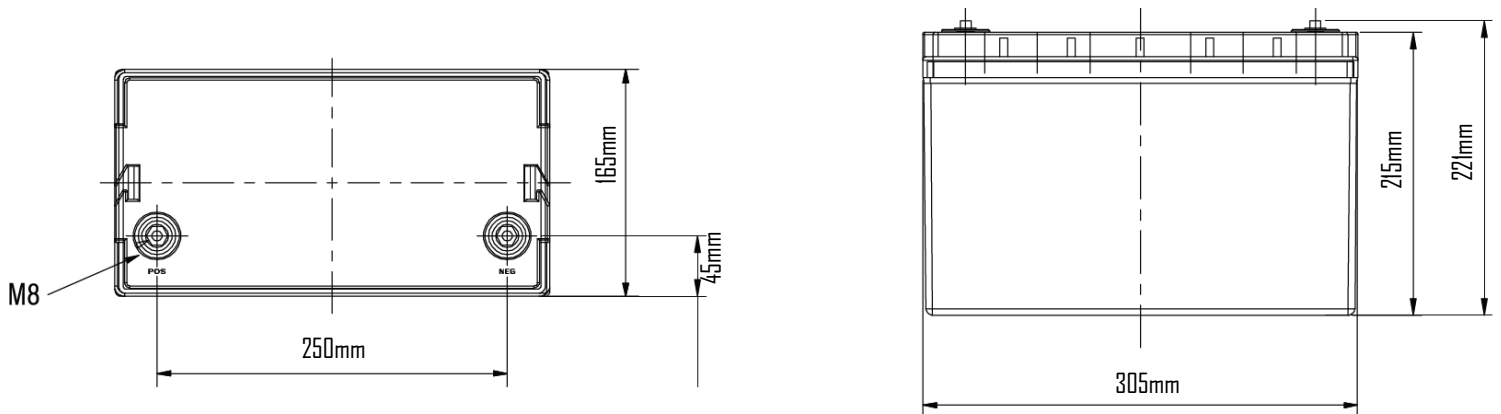
Recommended Charge Current	5A - 30A
Maximum Charge Current	30A
Recommended Charge Voltage	14.6V ± 0.2V
BMS Charge Cut Off Voltage	15.6v

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



ISO9001
CERTIFIED

RoHS
Compliant

CE
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IP54
CERTIFIED

UN38.3

IEC

