



# REVOLUTION POWER AUSTRALIA

## RPL48-100CAN LiFePO<sub>4</sub> Deep-Cycle Lithium Battery

Revolution Power 48v 125Ah Lithium battery

# Proven Paralleling Performance



5 Year  
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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[www.revolutionpower.com.au](http://www.revolutionpower.com.au)  
[info@revolutionpower.com.au](mailto:info@revolutionpower.com.au)  
1300 303 498



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## RPL48-100CAN LiFePO<sub>4</sub> Deep-Cycle Lithium Battery

### Electrical Specifications

Total Capacity	125Ah
Usable Capacity (C20, 25°C to 10.5v)	100Ah/5120Wh
Cell Rating	0.5C
Nominal Voltage	51.2v
Self-Discharge Rate	≤ 3%
Short Circuit Protection	200-500us

### Discharge Specifications

<sup>1</sup> Nominal Discharge	20A
<sup>1</sup> Maximum Continuous Discharge 240 mins 25°C	100A
<sup>2</sup> Pulse Discharge 30 mins 25°C	100A
<sup>3</sup> Peak Discharge 5 seconds	200A
Discharge Cut Off Voltage	40.0v
Life Cycles 100% DOD	2000
Life Cycles 50% DOD	5000
Life Cycles 20% DOD	8000

### Optimum Operating Temperatures

Charge	-0 ~ 45 °C
Discharge	-20 ~ 60 °C
Storage	-20 ~ 40 °C

### <sup>1</sup>Optimum Life Cycles (Moderate Use)

### <sup>2</sup>Reduced Life Cycles (Harsh Use)

### <sup>3</sup>Diminished Life Cycles (Extreme Use)

### Mechanical Specifications

Dimension (L x W x H)	520x269x220mm
Weight	40.0Kg
Cell Chemistry	LiFePO <sub>4</sub>
Case Material	Fire Retardant ABS
IP Rating	IP65
Terminal Type	M8

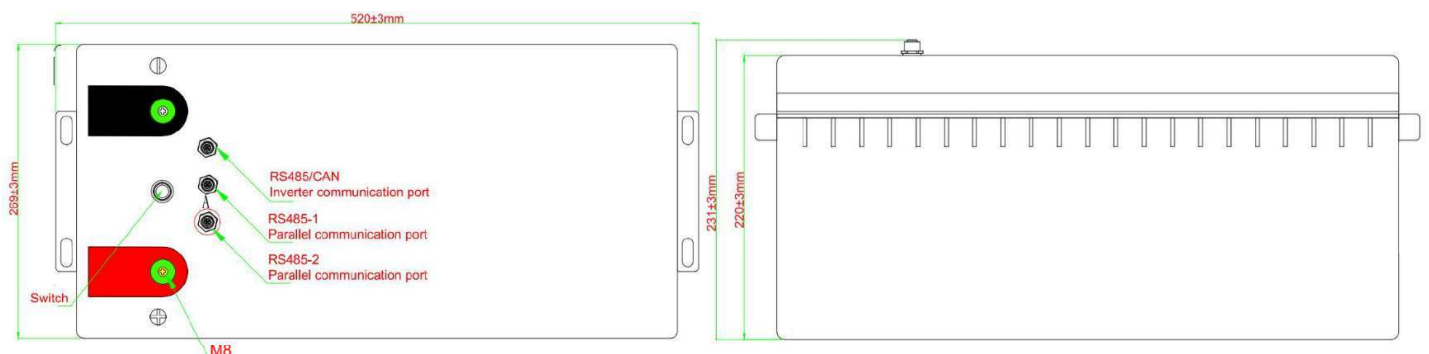
### Charge Specifications

<sup>1</sup> Nominal Charge 25°C	20A
<sup>1</sup> Recommended 25°C	≤ 50A
<sup>2</sup> Maximum	100A
Recommended Charge Voltage	58.4V ± 0.2V
BMS Charge Cut Off Voltage	59.2v

### Compliance

Certifications and Testing	ISO9001 Certified
	CE Certified
	RoHS Certified
	UN38.3 Certified
	SGS Audited
	Intertek Audited
	IEC 62619 62133/UL 1642 Certified
	Approved for Use in Internal/Enclosed Area

### Dimensions



ISO9001  
CERTIFIED



UN38.3



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