

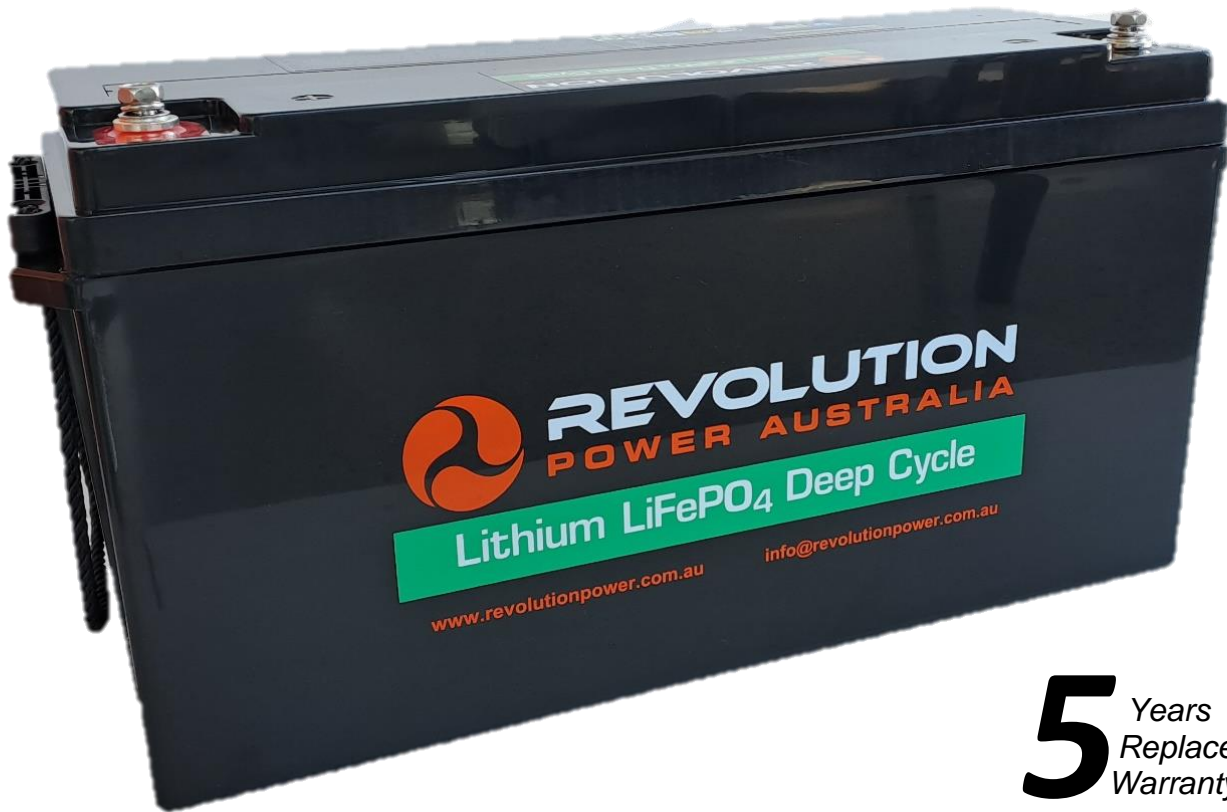


REVOLUTION
POWER AUSTRALIA

RPL12-300 LiFePO₄ Deep-Cycle Lithium Battery

Revolution Power 12v 300Ah Lithium Battery

Proven Paralleling Performance



5 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**



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RPL12-300 LiFePO₄ Deep-Cycle Lithium Battery

Electrical Specifications

| | |
|--------------------------------------|--------------|
| Total Capacity | 375Ah |
| Usable Capacity (C20, 25°C to 10.5v) | 300Ah/3840Wh |
| Cell Rating | 1C |
| Nominal Voltage | 12.8v |
| Self-Discharge Rate | ≤ 3% |
| Short Circuit Protection | 200-500us |

Discharge Specifications

| | |
|--|-------|
| ¹ Nominal Discharge | 60A |
| ¹ Maximum Continuous Discharge 25°C | 200A |
| ² Pulse Discharge 25°C | 240A |
| ³ Peak Discharge 5 seconds | 600A |
| Discharge Cut-Off Voltage | 10.0v |
| Life Cycles 80% 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 |

¹ Optimum Life Cycles (Moderate Use)

² Reduced Life Cycles (Harsh Use)

³ Diminished Life Cycles (Extreme Use)

Mechanical Specifications

| | |
|-----------------------|---------------------|
| Dimension (L x W x H) | 483x170x242mm |
| Weight | 27.0Kg |
| Cell Chemistry | LiFePO ₄ |
| Case Material | Fire Retardant ABS |
| IP Rating | IP65 |
| Terminal Type | M8 |

Charge Specifications

| | |
|--------------------------------------|--------------|
| ¹ Nominal Charge 25°C | 50A |
| ¹ Recommended Charge 25°C | ≤60A |
| ² Maximum Charge | 200A |
| Recommended Charge Voltage | 14.6V ± 0.2V |
| BMS Charge Cut Off Voltage | 15.6v |

Compliance

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

Dimensions

