



# LION BATTERIES



## 12V BATTERY RANGE

Lion Lithium Deep Cycle batteries are maintenance-free, fast-charging and environmentally friendly, with more than 4000 cycles you are assured reliable power for longer.

Working within a higher temperature range Lion Lithium Batteries make a superior and lighter alternative to standard 12 Volt Flooded or AGM Deep Cycle batteries. Lion Lithium batteries all have a built in management system increasing safety and allowing piece of mind.

## LION LITHIUM BENEFITS



### PREMIUM CYLINDRICAL CELLS

Highest Cell Power Capacity. UL1642, IEC62619, IEC62133 listed with Cycle life more than 4000 times @ 80% DOD Excellent power output consistency after multiple discharge. Strict cell matching standards with internal resistance.

Cells are assembled by automatic welding equipment to ensure quality and consistency



### LONGER SERVICE LIFE

4000 cycles @80% DOD



### ADVANCE BATTERY MANAGEMENT SYSTEM (BMS)

High Quality BMS with dedicated active cell balancing - Enhanced circuit board protection preventing overcharge, over discharge, short circuit, and cell imbalance



### SMALLER SIZE, LESS WEIGHT AND HIGHER CAPACITY

Based on the battery case size, the weight is less than half that of an AGM battery, along with higher capacity than an AGM in the same case size.



### FAST RECHARGE

Up to 10 times faster recharge than an AGM, equalling less downtime and more energy efficient.

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### LONG STANDBY LIFE, LOW SELF DISCHARGE

Less than 2% of capacity loss per month in self-discharge when not in use.



### BLUETOOTH SMART MONITORING

Available in all models over 100AH, Allows instant access to battery status (state of charge-SOC, voltage, cycles, temperature) and complete log of battery's activities



### TOP MOUNT OR SIDE MOUNT

Batteries can be mounted up to 90 degrees for greater fitment range.



### MULTI CONNECTION IN SERIES AND PARALLEL

supports up to 4 in series or 4 in parallel



### TEMPERATURE TOLERANT

Discharge between -20C and 60C, charge between 0C and 55C. BMS safety cut off at 75C



### HEAT SENSORS FOR GREATER SAFETY

Monitoring the BMS, the cells and the temperature around the cells within the case. Maximising safety and longevity of the battery.



### IP67\*

protected against solid objects like dust and sand, and it has been tested to work in water environments.

\*Slim Metal case battery is not IP67

| PART NUMBER                         | DESCRIPTION              | RATED VOLTAGE (V) | RATED CAPACITY/AH | LITHIUM BATTERY SIZE (MM) |       |        | TOTAL HEIGHT | APPROX WEIGHT/KG | TERMINAL | BATTERY ASSEMBLY |
|-------------------------------------|--------------------------|-------------------|-------------------|---------------------------|-------|--------|--------------|------------------|----------|------------------|
|                                     |                          |                   |                   | LENGTH                    | WIDTH | HEIGHT |              |                  |          |                  |
| <b>LITHIUM BATTERIES</b>            |                          |                   |                   |                           |       |        |              |                  |          |                  |
| LPF12-9                             | -                        | 12                | 9                 | 151                       | 65    | 84.5   | 200          | 1.2              | T1       | E                |
| LPF12-12                            | -                        | 12                | 12                | 151                       | 98    | 95     | 214          | 1.9              | T2       | E                |
| LPF12-20                            | -                        | 12                | 20                | 180.5                     | 76    | 165    | 220          | 2.6              | M5       | C                |
| LPF12-33                            | -                        | 12                | 33                | 166                       | 175   | 112    | 224          | 4.2              | T3       | D                |
| LPF12-40                            | -                        | 12                | 40                | 197                       | 165   | 170    | 99           | 5.4              | M6       | C                |
| LPF12-55                            | -                        | 12                | 65                | 229                       | 138   | 208    | 101          | 8.5              | M8       | D                |
| LPF12-75                            | -                        | 12                | 75                | 260                       | 168   | 208    | 167.5        | 11.6             | M6       | D                |
| LPF12-100                           | Bluetooth                | 12                | 120               | 307                       | 169   | 208    | 125          | 12               | M8       | D                |
| LPF12-120                           | Bluetooth                | 12                | 150               | 329                       | 172   | 214    | 170          | 14.5             | M8       | D                |
| LPF12-150                           | Bluetooth                | 12                | 200               | 438                       | 170   | 240    | 200          | 19.5             | M8       | D                |
| LPF12-200                           | Bluetooth                | 12                | 300               | 520                       | 269   | 220    | 214          | 33.5             | M8       | F                |
| <b>LITHIUM (SLIMLINE) BATTERIES</b> |                          |                   |                   |                           |       |        |              |                  |          |                  |
| LPF12-120FA                         | Bluetooth/Front Assembly | 12                | 135               | 508                       | 110   | 228    | 99           | 13               | M8       | F                |
| LPF12-150FA                         | Bluetooth/Front Assembly | 12                | 160               | 551                       | 110   | 240    | 101          | 16               | M8       | F                |

For further information please contact your local sales representative or contact us on 1300 782 786 | [info@lionbatteries.com.au](mailto:info@lionbatteries.com.au)

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