



## The Invicta Lithium Difference

Invicta is a premium range of batteries developed by SPB, a company with over 25 years experience in energy storage. The Battery consists of high quality Lithium Iron Phosphate (LiFePO<sub>4</sub>) prismatic cells that have been encased in aluminum and utilises an integrated BMS, solid busbar connectors and a strengthening frame in order to withstand tough environments.

The Invicta Lithium range comes with all the benefits you expect from using LiFePO<sub>4</sub> while being conveniently designed into 12V, 24V and 36V single battery solutions that are available in standard and slimline case sizes for easy replacement. With up to 8 times the cycle life and less than half the weight of standard SLA technology Invicta is a superior AGM replacement that you can rely on.

### High Cyclic applications

- 4x4 Vehicles
- Recreational Vehicles
- Caravan / Camping

### Fast Charge requirement

- Medical Devices
- RC Devices
- Boats / Recreation

### Low Weight applications

- Boats
- Golf Carts
- Personal power - Lighting, cameras etc

## Features and Benefits

### Invicta VS Other Lithium

- 7-year full replacement warranty
- Aluminum encased prismatic cells
- Integrated BMS with automatic protections
- Wireless monitoring (Bluetooth range only)
- Bolted busbar intercell connectors
- Slimline and standard AGM case sizes
- Strengthening frame to resist damaging vibrations
- 2000+ genuine cycles at 100% DoD
- Over 20 sizes in 12V, 24V and 36V single battery solutions
- IEC certified and independently tested in Australia

**7-Year Full Replacement  
Warranty**

**Bluetooth Monitoring  
IEC 62619 Certification**

### Invicta (100Ah) VS AGM (100Ah)

- Safe Lithium Iron Phosphate (LiFePO<sub>4</sub>) chemistry
- Automatic BMS battery protection (overcharge/discharge, temperature, short circuit and over current)
- Can be installed on either of their sides (not upside down)
- Less than half the weight
- Faster recharge
- More efficient use of capacity
- Can sit unused for up to 12 months
- 2 x more runtime
- Up to 10 years life



## Construction

Invicta is available in over 20 12V, 24V and 36V sizes that consist of aluminum encased prismatic cells which have been bolted together using solid busbar connectors. These have been further reinforced with a strengthening frame to resist damaging vibrations.

All Invicta batteries have undergone IEC62133/UL1642 certification on a cell level with selected models also achieving IEC62619 on the entire battery and BMS. This testing guarantees the performance and safety of the cells and battery in high stress environments.



Extremely happy with my Invicta lithium battery and the customer service I received from their technical team. Invicta is the powerhouse of my expedition vehicle and has been in continuous use for over a year now - powering two fridge freezers, lighting, cookers and even a 12-volt air conditioner. The Invicta app is an excellent addition and keeps me informed of the systems status via my smartphone. Highly recommend!



## 7-Year Full Replacement Warranty

Invicta can offer this level of warranty in approved applications because it has undergone extensive independent testing in Australian conditions that resulted in the battery easily exceeding expectations. The testing, the first of its kind in Australia, was completed over 1000 days of continuous operation which resulted in the battery completing over 2000 cycles at 98% DoD while being exposed to significant temperature variations. When combined with Invicta's IEC certification and SPB's product support, users can be confident that they will enjoy reliable energy for many years.

## Bluetooth Monitoring

The Bluetooth feature is available on any battery in the Invicta range that ends in BT. It allows the user to conveniently monitor critical information about the battery, which includes charge, discharge, capacity, temperature, voltage and BMS safety features. All via a free application which can be downloaded on any Apple or Android device. This can be useful as conventional testing can be inaccurate and difficult, especially if the battery has been placed in a hard to reach spot, like behind the seat.



**Bluetooth versions available**

Monitor the health and state of your battery from your phone

For information on the full range please visit [invictalithium.com.au](http://invictalithium.com.au) or contact SPB on 1300 001 772 or [sales@spb.net.au](mailto:sales@spb.net.au)