

## SNLCP12V100BT SPECIFICATION SHEET



### About Invicta Lithium Compact

The Invicta Lithium Compact range has been specifically designed for replacement of similar size Lead acid batteries. It has all the benefits of Lithium Iron Phosphate (LiFePO<sub>4</sub>) technology packed in to a smaller form factor, compared to your typical case size. It is ideally suited to deep cycle applications where space is limited.

### Features & Benefits

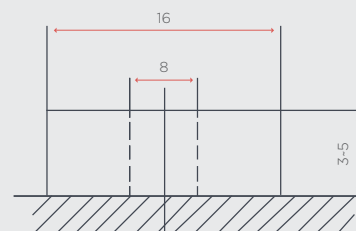
- **Large number of cycles >2000 (100% DoD)**  
Up to 8 times cycle life of SLA lowering your total cost of ownership
- **Safe and stable chemistry & Integrated BMS**  
The use of LiFePO<sub>4</sub> along with the integrated BMS ensures protection against over charge / discharge, temperature and short circuit providing the highest degree of safety
- **Compact Size** - Compared to similar batteries of the same capacity this range takes the form factor down a size to help fit in tight spaces.
- **High energy density (less than half of the weight of SLA)**  
Lowering total weight of application
- **Fast recharge**  
Battery is charged and ready to be used sooner
- **Flat Discharge Curve**  
Longer run time & more efficient use of capacity
- **Extremely low self-discharge rate**  
Can sit unused for longer periods of time
- **IEC62619 at cell level**

In order to use the Bluetooth functionality, please download our INVICTA App today.



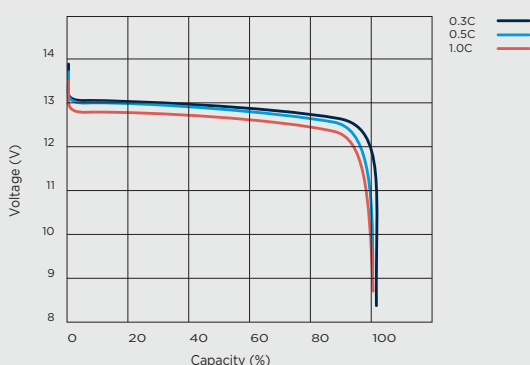
|                                      |              |
|--------------------------------------|--------------|
| Nominal Voltage                      | 12.8v        |
| Nominal Capacity (25°C, 0.33C)       | 100Ah        |
| Terminal                             | M8           |
| Length (mm)                          | 260 ± 2mm    |
| Width (mm)                           | 169 ± 2mm    |
| Height (mm)                          | 215 ± 2mm    |
| Weight                               | 10.5kg       |
| Max Charge Voltage                   | 14.6 ± 0.1V  |
| Standby                              | 13.8 ± 0.1V  |
| Cut off Voltage                      | 10V          |
| Max. Discharge Current               | 100A         |
| Max. Pulse Discharge Current (3 Sec) | 350A         |
| Max. Charge Current                  | 100A         |
| Recommended Current Charge           | ≤ 50A        |
| Cycle Life (100% DoD)                | ≥ 2000       |
| Operating Temp - Charge              | 0 - 55°C     |
| Operating Temp - Discharge           | -20 - 60°C   |
| Short Circuit Release                | Load Release |
| Max. Series / Parallel Configuration | 0S/4P        |
| Bluetooth Connectivity               | Yes          |

Terminal M8 Insert

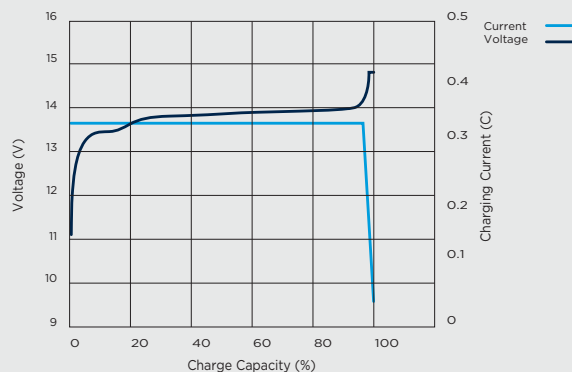


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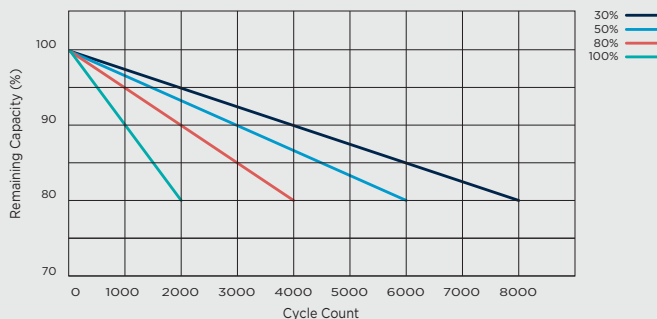
Discharge Curve at Different C Rates



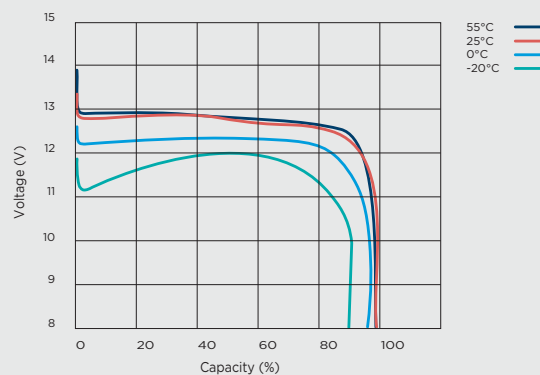
Charging Characteristic (25°C @ 0.33C)



Cycle Life at Different DoD



Discharge Curve at Different Ambient Temperature (0.33C)



For more information or pricing please contact the team at  
SPB on 1300 001 772 or [sales@spb.net.au](mailto:sales@spb.net.au)