

SNLX12V120BT SPECIFICATION SHEET



About Invicta Lithium

The Invicta Lithium Extreme 12V range has been specifically designed for replacement of similar size Lead acid batteries. The extreme range uses all the benefits of Lithium Iron Phosphate (LiFePO₄) technology and pushes the limits in communication possibilities, power, safety and security.

Features & Benefits

- **Large number of cycles >5000 (100% DoD)**
Up to 10 times cycle life of SLA lowering your total cost of ownership
- **Safe and stable chemistry & Integrated BMS**
The use of LiFePO₄ along with the integrated BMS ensures protection against over charge / discharge, temperature and short circuit providing the highest degree of safety
- **More communication possibilities** with Bluetooth and CAN/RS485, this makes connecting devices even easier.
- **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
- **Sealed from the Australian elements**
IP67 rated
- **More power and customisation** with the ability to connect 16 in parallel or upto 4 in series and 4 in parallel. Max discharge has been increased to 150A (Pulse 500A @ 35 seconds)
- **IEC62619**

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



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| Nominal Voltage | 12.8v |
| Nominal Capacity (25°C, 0.33C) | 120Ah |
| Terminal | M8 |
| Length (mm) | 308 ± 2mm |
| Width (mm) | 168 ± 2mm |
| Height (mm)/Terminal Height | 211/220 ± 2mm |
| Weight | 13.0kg |
| Max Charge Voltage | 14.5 ± 0.1V |
| Standby | 13.8 ± 0.1V |
| Cut off Voltage | 11V |
| Max. Discharge Current | 150A |
| Max. Pulse Discharge Current (3 Sec) | 500A |
| Max. Charge Current | 100A |
| Cycle Life (100% DoD) | ≥3000 |
| Operating Temp - Charge | 0 - 60°C |
| Operating Temp - Discharge | -20 - 55°C |
| Short Circuit Release | Load Release |
| Max. Series / Parallel Configuration | 4S/16P/4S+4P |
| Communication | Bluetooth and CAN/RS485 |
| Certification | IEC62619 |

Terminal M8 Insert

