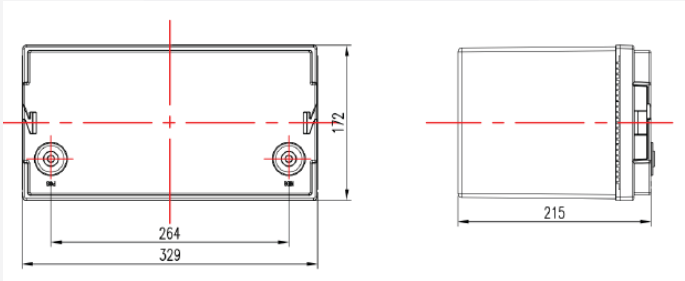
INVICTA LITHIUM BATTERIES

SNLCP12V175BT 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 (LiFePO4) 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.

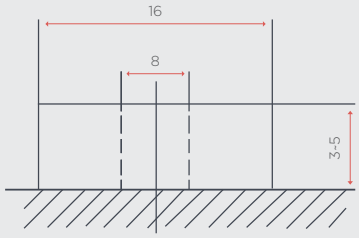
Features & Benefits

- **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 LiFePO4 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 siimilar 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)	175Ah
Terminal	M8
Length (mm)	330 ± 2mm
Width (mm)	172 ± 2mm
Height (mm)	215 ± 2mm
Weight	15.5kg
Max Charge Voltage	14.6 ± 0.1V
Standby	13.8 ± 0.1V
Cut off Voltage	10V
Max. Discharge Current	200A
Max. Pulse Discharge Current (3 Sec)	350A
Max. Charge Current	170A
Recommended Current Charge	≤100A
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	4S/4P
Bluetooth Connectivity	YES

Terminal M8 Insert



SPB
Sealed Performance Batteries

Brisbane National Head Office: 58 Stephens Road, Luscombe, QLD 4207, Australia | **Melbourne:** 2/9 Compark Circuit, Mulgrave, VIC, 3170 | **Sydney:** 2/28 Prime Drive, Seven Hills, NSW, 2147 **Perth:** 25A Trade Rd, Malaga, WA, 6090 | **Cairns:** 24 Donaldson St, Manunda, QLD, 4870 | **Townsville:** 608 Ingham Rd, Mount Louisa, QLD, 4814 | **Mackay:** 5/38-42 Margaret Vella Dr, Paget, QLD, 4740
T 1300 001 772 E info@spb.net.au W spb.net.au

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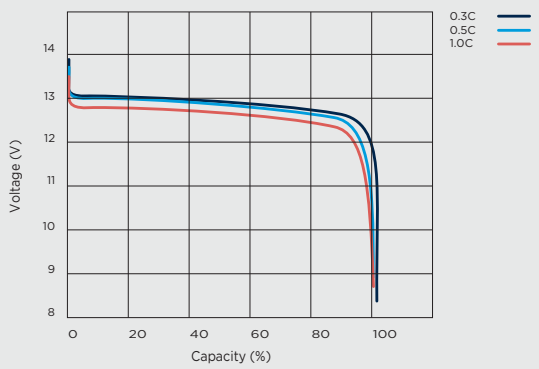
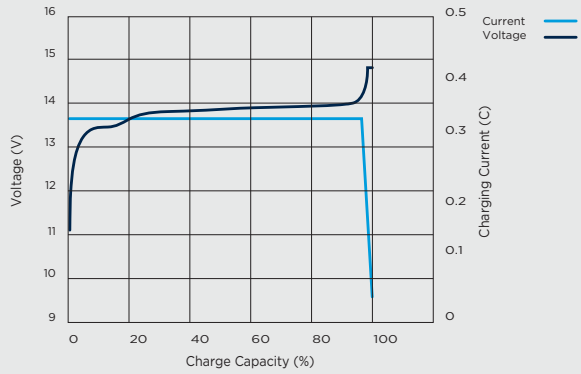
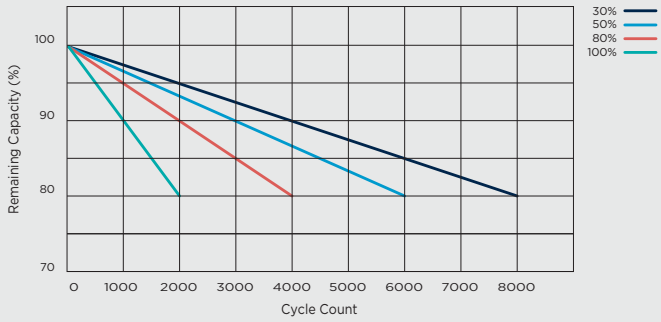
Discharge Curve at Different C Rates



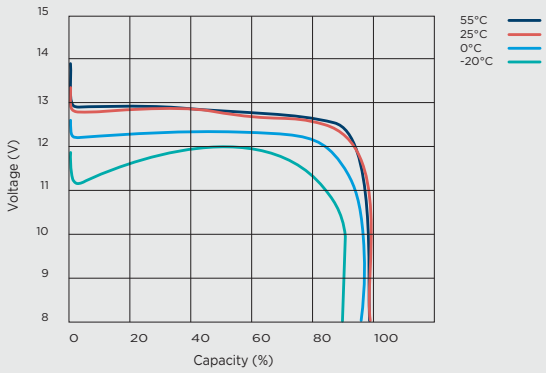
Charging Characteristic (25˚C @ 0.33C)



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

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