

## SNL48V30GC SPECIFICATION SHEET



### About Invicta Lithium

The Invicta Lithium 48V range has been specifically designed for replacement of similar size Lead acid batteries. The family is comprised of the popular sizes found in the lead acid range but with the added benefits of Lithium Iron Phosphate (LiFePO4) technology and is ideally suited to deep cycle longer run time applications.

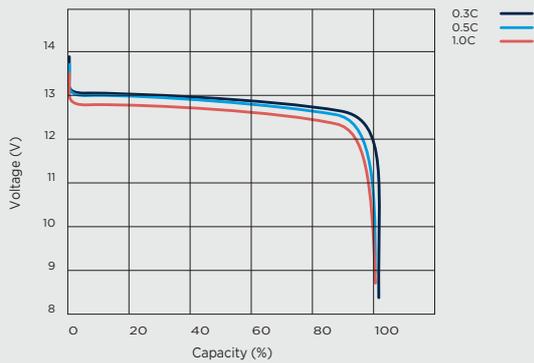
### Features & Benefits

- 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
- Greater capacity utilisation - 60% more than SLA**  
 Gives longer runtime than equivalent SLA
- 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
- UL1642 at cell level**

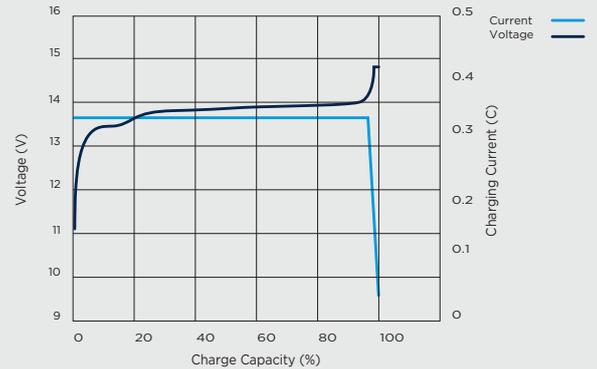
Nominal Voltage	51.2v
Nominal Capacity (25°C, 0.33C)	30Ah
Terminal	M8 Stud
Length (mm)	260 ± 2mm
Width (mm)	180 ± 2mm
Height (mm)	283 ± 2mm
Weight	12.5kg
Max Charge Voltage	58.4 ± 0.1V
Standby	55.2 ± 0.1V
Cut off Voltage	40.0V
Max. Discharge Current	60A
Max. Pulse Discharge Current (10Sec)	150A
Max. Charge Current	30A
Recommended Current Charge	≤10A
Cycle Life (100% DoD)	≥2000
Operating Temp - Charge	0 - 45°C
Operating Temp - Discharge	-20 - 60°C
Short Circuit Release	Load Release
Max. Parallel Config. (with comms)	10P
Communication	BT/CAN
Isolation Switch	Yes
LED Indicator	Yes
LCD Gauge	Sold Separately
Bluetooth Gauge	Sold Separately

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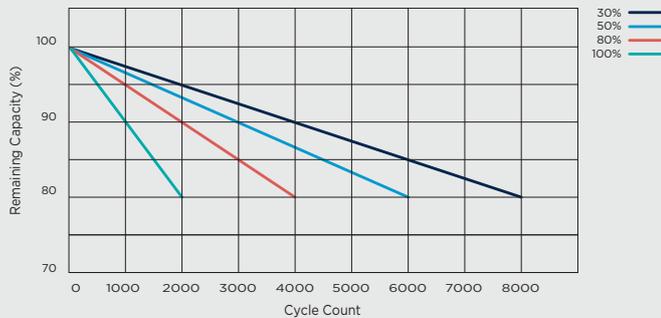
Discharge Curve at Different C Rates



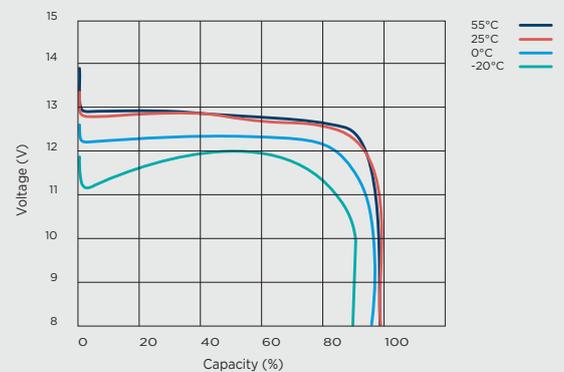
Charging Characteristic (25 °C @ 0.33C)



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)