

SNL48V105GC 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 >3000 (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
- UL1973 at cell level**

Nominal Voltage	51.2v
Nominal Capacity (25°C, 0.33C)	105Ah
Terminal	M8
Length (mm)	480 ± 2mm
Width (mm)	338 ± 2mm
Height (mm)	255 ± 2mm
Weight	43.5kg
Max Charge Voltage	58.4 ± 0.1V
Standby	55.2 ± 0.1V
Cut off Voltage	40.0V
Max. Discharge Current	200A
Max. Pulse Discharge Current (<30s)	400A
Max. Charge Current	100A
Recommended Current Charge	≤ 50A
Cycle Life (100% DoD)	≥ 3000
Operating Temp - Charge	0 - 45°C
Operating Temp - Discharge	-20 - 60°C
Short Circuit Release	Load Release
Max. Series / Parallel Configuration	OP/OS
Isolation Switch	Yes
Bluetooth Connectivity	Yes (Included)
LCD Gauge	Yes (Included)
IP Rating	IP65