

## SNLSS12V105BT SPECIFICATION SHEET



### About Invicta Lithium

The Invicta Super Slim 12V range has been specifically designed for fitment in to applications where usable space is extremely limited. Utilising LiFePO<sub>4</sub> cell technology, this allows the cells to be tightly packed in to a modular design for ease of fitment. The range also utilises the safe and efficient benefits of Lithium Iron Phosphate (LiFePO<sub>4</sub>) 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 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
- **Modular construction** allows for tighter cell configuration and also enables up to four batteries to be put in parallel.
- **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

Nominal Voltage	12.8v
Nominal Capacity (25°C, 0.33C)	105Ah
Terminal	M8
Length (mm)	694 ± 2mm
Width (mm)	260 ± 2mm
Height (mm)	47 ± 2mm
Weight	15.0kg
Max Charge Voltage	14.5 ± 0.1V
Standby	13.8 ± 0.1V
Cut off Voltage	10.5V
Max. Discharge Current	150A
Max. Pulse Discharge Current (3 Sec)	300A
Max. Charge Current	100A
Recommended Current Charge	≤ 50A
Cycle Life (100% DoD)	≥ 2000
Operating Temp - Charge	0 - 45°C
Operating Temp - Discharge	-20 - 60°C
Short Circuit Release	Load Release
Max. Parallel / Series Configuration	4P / 0S
Bluetooth	Yes