

## SNLH31H SPECIFICATION SHEET



### About Invicta Hybrid Starter

The Invicta Hybrid Starter range is ideally suited to starting applications that may have a secondary deep cycle application, such as fridge or marine accessories. The family is comprised of the popular sizes found in automotive vehicles but with the added benefits of Lithium Iron Phosphate (LiFePO<sub>4</sub>) pouch cell technology, which allows flexibility in charging and discharge.

### Features & Benefits

- Australian owned**  
 Invicta is Australian owned and backed by over 25 years of knowledge. The Invicta Hybrid Starter range has also undergone over 2 years of pre-release development by our Australian technical team.
- Integrated BMS**  
 A specially engineered BMS allows the battery to discharge and charge at a high rate, even when using the reserve capacity.
- Pouch cell construction**  
 The pouch cell construction is specifically used due to its inherent starting abilities which allows for a high-rate of discharge and flexibility when charging.
- Charge directly from the alternator**  
 The cell design and BMS allow for the varying types of charge delivered by alternators.
- Heat resistant technology**  
 Utilises a specially designed thermal protection layer to reduce the impact of heat on the internals.
- Jump start feature**  
 A small percentage of capacity is reserved automatically for jump start if you drain the battery. Easily engage this feature with the push of a button.
- 3 Year full replacement warranty**  
 The Invicta Hybrid Starter range has a 3 year full replacement warranty backed by SPB.

Nominal Voltage	12.8v
Nominal Capacity (25°C, 0.33C)	100Ah
Terminal	M8
Length (mm)	330 ± 2mm
Width (mm)	168 ± 2mm
Height (mm)	220/222 ± 2mm
Weight	10.2kg
Max Charge Voltage	14.6 ± 0.1V
Charge Cut-Off Voltage	15.6 ± 0.1V
Discharge Cut-Off Voltage	8V
Max. Discharge Current	200A
Max. Pulse Discharge Current (3 Sec)	1200A
Cold Cranking Amps	1200A
Max. Charge Current	100A
Recommended Charge Current	≤ 20A
Cycle Life (100% DoD)	≥ 2000
Operating Temp - Charge	-20 - 45°C
Operating Temp - Discharge	-20 - 60°C
BMS High Temp Disconnect	80°C
Max. Parallel Configuration	6P
Jump Start Feature	Yes
IP Rating	56
Certifications	IEC62133, UN38.3

