

## SNLHLN4MAX 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.
- Dual - BMS**  
 A specially engineered Dual BMS allows the battery to discharge and charge at an even high rate. This allows the battery to be used in winching applications
- 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)	60Ah
Terminal	SAE
Length (mm)	315 ± 2mm
Width (mm)	174 ± 2mm
Height (mm)	190 ± 2mm
Weight	8.3kg
Max Charge Voltage	14.6 ± 0.1V
Charge Cut-Off Voltage	15.6 ± 0.1V
Discharge Cut-Off Voltage	8V
Max. Discharge Current	800A
Max. Pulse Discharge Current (3 Sec)	2100A
Cold Cranking Amps	1000A
Max. Charge Current	600A
Recommended Charge Current	≤ 30A
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

