

Safe. Smart. Robust. Efficient.

**High energy density (less than half the weight of SLA)**

Lowering the total weight of application



**Large number of cycles >2000 (80% DoD)**

Up to 8 times more cycle life than SLA, lowering your total cost of ownership



**Greater capacity utilisation**

Longer runtime and more efficient use of capacity compared to equivalent SLA



**Fast recharge**

Battery is charged and ready to be used sooner



**Integrated Battery Management System (BMS)**

Ensures protection against over-charge/discharge, temperature and short circuit



**Extremely low self-discharge rate**

Can sit unused for longer periods of time



IEC Certified\*



**Bluetooth versions available**

Monitor the health and state of your battery from your phone

## The Invicta Lithium Difference

Invicta Lithium is a premium range of batteries consisting of the highest quality Lithium Iron Phosphate (LiFePO<sub>4</sub>) composition. LiFePO<sub>4</sub> has been selected for the Invicta range due to its convenient cell voltage, high energy density, cycle life and most importantly due to it being one of the safest Lithium technologies available.

The Invicta Lithium range comes with all the benefits you expect from using LiFePO<sub>4</sub> while being conveniently designed into standard 12V Sealed Lead Acid (SLA) case sizes for easy replacement. With up to 8 times the cycle life of standard SLA technology - Invicta Lithium will lower your total cost of ownership and provide you with the latest in battery technology.

**High Cyclic applications**

- 4x4 Vehicles
- Recreational Vehicles
- Caravan / Camping

**Fast Charge requirement**

- Medical Devices
- RC Devices
- Boats / Recreation

**Low Weight applications**

- Boats
- Golf Carts
- Personal power - Lighting, cameras etc

**LOWER TOTAL COST OF OWNERSHIP**

- Up to 8 times the cycle life compared to equivalent SLA
- Save up to 50% in battery hardware costs over the life of the system
- Reduction in labour replacement costs by up to 7 times
- Greater capacity utilisation allows reduction in overall system size or greater output from your current system size.

\*On selected models only

## Invicta Lithium vs Sealed Lead Acid (SLA)

Key Benefits	Invicta Lithium LiFePO <sub>4</sub> (100Ah)		Sealed Lead Acid SLA (100Ah)
Weight	12.2 kg		27.5 kg
Cycle Life	>5000 @ 50%DOD		>650 @ 50% DOD
Self Discharge	Up to 12 months		Up to 6 months
Charge Time	1 to 3 hours		8 to 12 hours
Capacity Utilisation	80 to 100%		50 to 60%
Life Years	>10 Years		3 to 5 Years
Efficiency	96%		60 to 90%

## The Full Invicta Lithium Range

Part Number	Features	Nominal Voltage	Nominal Capacity (AH)	Terminal	Length (mm)	Width (mm)	Height (mm)	Weight (KG)	Max Discharge Current (A)	Max. Series / Parallel Configuration
SNL12V9S	4 series functionality	12.8	9	F2	151	65	95	1.2	9	4P or 4S
SNL12V12S	4 series functionality	12.8	12	F2	151	98	96	1.6	15	4P or 4S
SNL12V20S	4 series functionality	12.8	20	M6	180	76	166	3	25	4P or 4S
SNL12V20BT	Bluetooth	12.8	20	M6	180	76	166	3	30	4P
SNL12V24S	4 series functionality	12.8	24	M6	166	176	125	3.4	30	4P or 4S
SNL12V40S	4 series functionality	12.8	40	M6	194	132	170	5.5	50	4P or 4S
SNL12V75S	4 series functionality	12.8	75	M8	260	169	215	9.8	50	4P or 4S
SNL12V100S	4 series functionality	12.8	100	M8	306	168	216	12.2	95	4P or 4S
SNL12V100BT	Bluetooth	12.8	100	M8	306	168	216	12.2	95	4P
SNL12V125S	4 series functionality	12.8	125	M8	318	165	215	14.8	95	4P or 4S
SNL12V125BT	Bluetooth	12.8	125	M8	318	165	215	14.8	100	4P
SNL12V300BT	Bluetooth	12.8	300	M8	518	271	222	35	200	4P
SNLFT12V50BT	Bluetooth	12.8	50	M6	277	106	222	6	50	4P
SNLFT12V100BT	Bluetooth	12.8	100	M8	551	109	239	12.4	95	4P
SNL24V50BT	Bluetooth	25.6	50	M8	318	165	215	12.8	50	4P
SNL24V100BT	Bluetooth	25.6	100	M8	485	170	245	24.2	100	4P
SNL24V150BT	Bluetooth	25.6	150	M8	518	271	222	35	95	4P

Register your interest now at [info@spb.net.au](mailto:info@spb.net.au)