

SENTRY LiFePO4 BATTERIES

**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



**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 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



Bluetooth versions available

Monitor the health and state of your battery from your phone

SENTRY LITHIUM RANGE

Part Number	Description	Nominal Voltage	Nominal Capacity (AH)	Terminal	Length (mm)	Width (mm)	Height (mm)	Weight (KG)	Max Discharge Current	Max. Series / Parallel Configuration
SNL12V12S	12V12AH with 4 series functionality	12.8 V	12Ah	F2	151	98	96	1.6kg	15A	4P OR 4S
SNL12V20S	12V20AH with 4 series functionality	12.8 V	20Ah	M6	180	76	166	3.0kg	30A	4P OR 4S
SNL12V20BT	12V20AH with blue tooth	12.8 V	20Ah	M6	180	76	166	3.0Kg	30A	4P
SNL12V24S	12V24AH with 4 series functionality	12.8 V	24Ah	M6	166	176	125	3.4Kg	30A	4P OR 4S
SNL12V40S	12V40AH with 4 series functionality	12.8 V	40Ah	M6	194	132	170	5.5kg	30A	4P OR 4S
SNL12V75S	2V75AH with 4 series functionality	12.8 V	75Ah	M8	260	169	215	9.8Kg	50A	4P OR 4S
SNL12V100S	12V100AH 4 series functionality	12.8 V	100Ah	M8	306	168	215	12.2Kg	100A	4P OR 4S
SNL12V100BT	12V100AH with blue tooth	12.8 V	100Ah	M8	306	168	215	12.4Kg	100A	4P
SNL12V125S	12V125AH with 4 series functionality	12.8 V	125Ah	M8	318	165	215	14.8kg	100A	4P or 4S
SNL12V125BT	12V125AH with blue tooth	12.8 V	125Ah	M8	318	165	215	15.0kg	100A	4P
SNL12V300BT	12V300AH with blue tooth	12.8	300Ah	M8	518	271	222	35.0kg	100A	4P
SNL24V12S	24V125AH	25.6 V	125Ah	M8	518	271	222	32.2Kg	100A	4P
SNL24V150BT	24V150AH with blue tooth	25.6 V	150Ah	M8	518	271	222	35.0kg	100A	4P

Sentry Lithium is a premium range of batteries consisting of the highest quality Lithium Iron Phosphate (LiFePO4) composition. Lithium Iron Phosphate (LiFePO4) has been selected for the Sentry range due to its convenient cell voltage, high energy density and cycle life and most importantly due to it being one of the safest Lithium technologies available.

The Sentry Lithium range comes with all the benefits of LiFePO4 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 - Sentry Lithium will lower your total cost of ownership and provide you with the latest in battery technology.

High Cyclic applications

- Mobility 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

Key Benefits	Sealed Lead Acid SLA (100Ah)		Lithium Iron Phosphate LiFePO4(100Ah)
Weight	27.5 kg		12.2 kg
Cycle Life	>650 @ 50% DOD		>5000 @ 50%DOD
Self Discharge	Up to 6 months		Up to 12 months
Charge Time	8 to 12 hours		1 to 3 hours
Capacity Utilisation	50 to 60%		80 to 100%
Life Years	3 to 5 Years		>10 Years
Efficiency	60 to 90%		96%

LOWER TOTAL COST OF OWNERSHIP

- Up to 8 times the cycle life compared to equivalent SLA
- Saving 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 (80% vs 50%) allows reduction in overall system size

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