

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

Model	Description	Length	Width	Height	Terminal Type	Nominal Voltage	Nominal Capacity	Max Discharge Current	Max Series/ Parallel Config.	Weight
										Kgs
SNL12V12S	Sentry 12V12AH with 4 series functionality	151	98	96	F2	12.8	12	15.0	4P or 4S	1.6
SNL12V20S	Sentry 12V20AH with 4 series functionality	180	76	166	M6	12.8	20	30.0	4P or 4S	3.0
SNL12V20BT	Sentry 12V20AH with Bluetooth	180	76	166	M6	12.8	20	30.0	4P	3.0
SNL12V24S	Sentry 12V24AH with 4 series functionality	166	176	125	M6	12.8	24	30.0	4S or 4P	3.4
SNL12V40S	Sentry 12V40AH with 4 series functionality	195	130	170	M6	12.8	40	50.0	4S or 4P	5.5
SNL12V75S	Sentry 12V75AH with 4 series functionality	260	169	215	M8	12.8	75	50.0	4P or 4S	9.8
SNL12V100S	Sentry 12V100AH with 4 series functionality	306	168	216	M8	12.8	100	100.0	4P or 4S	12.2
SNL12V100BT	Sentry 12V100AH with Bluetooth	306	168	216	M8	12.8	100	100.0	4P	12.4
SNL12V125S	Sentry 12V125AH with 4 series functionality	318	165	215	M8	12.8	125	100.0	4P or 4S	14.8
SNL12V125BT	Sentry 12V125AH with Bluetooth	318	165	215	M8	12.8	125	100.0	4P	15.0
SNL12V300BT	Sentry 12V300AH with Bluetooth	518	271	222	M8	12.8	300	100	4P	35.0
SNL24V12S	Sentry 24V125AH	518	271	222	M8	25.6	125	100.0	4P	32.2
SNL24V150BT	Sentry 24V150AH with Bluetooth	518	271	222	M8	25.6	150	100	4P	35.0
SNL12V9	Sentry 12V9AH	151	65	95	F2	12.8	9	9	4P	1.2

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