

LiFePO4 BATTERY

SNL 12V20S



Sentry Lithium Specification Sheet

The Sentry Lithium 12V range has been specifically designed for replacement of similar size Lead acid batteries. The family is comprised of the popular sizes found in the lead acid range but with the added benefits of Lithium Iron Phosphate (LiFePO4) technology and is ideally suited to deep cycle longer run time applications.

Features & Benefits

- 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
- 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
- UL1642 at cell level

Nominal Voltage	12.8v
Nominal Capacity (25 °C, 0.33C)	20Ah
Terminal	M6
Length (mm)	180 ± 2mm
Width (mm)	76 ± 2mm
Height (mm)	166 ± 2mm
Weight	3.0kg
Max Charge Voltage	14.6 ± 0.1V
Standby	13.8 ± 0.1V
Cut off Voltage	8V
Max. Discharge Current (30 mins)	30A
Max. Pulse Discharge Current (3 Sec)	80A
Max. Charge Current	20A
Recommended Current Charge	≤ 10A
Cycle Life (100% DoD)	≥ 2000
Operating Temp - Charge	0 - 50
Operating Temp - Discharge	-20 - 55
Short Circuit Release	Load Release
Max. Series / Parallel Configuration	4P OR 4S

Terminal M6 Insert

