



A LithiumWerks Product

BE IN CHARGE

DATASHEET SUPER B EPSILON

SB12V1200WH-M

The Epsilon is a drop-in lead-acid replacement, with all the benefits of Lithium Iron Phosphate. It has superior weight reduction, enormous energy reserves and stable voltage even at

extreme loads. This lithium battery is suitable for 12V installations. Eliminating the need for an external safety relay means the lithium battery is very easy to install.

BATTERY MONITORING

The Super B Epsilon has integrated battery monitoring which provides details about its status such as voltage, current, temperature, state of charge and time remaining. Hands-on monitoring is also possible via Bluetooth and LED

indicators to inform you about the actual status of your battery. The free BeInCharge app provides 24/7 information about the state of charge, time to go and status of the battery.

FEATURES

- Traction battery
- Drop-in replacement for AGM/GEL lead-acid
- LN5 batteries
- Lithium Iron Phosphate (LiFePO4): safe lithium technology
- Integrated short circuit protection
- Integrated BMS (Battery-Management system)
- Charge current regulator, for safe low temperature charging
- CAN / LIN / Bluetooth interface for battery monitoring
- Battery monitoring / History Storage
- Adaptive cell balancing
- Monitoring via BeInCharge Bluetooth app for iOS and Android



PERFORMANCE



High capacity



Low weight



Fast charging



Low self-discharge



Maintenance free



High cycle count, up to 5000 cycles



High efficiency (>96%)

SAFETY

Super B batteries are based on Lithium Iron Phosphate technology (LiFePO₄). This is the safest Lithium technology available today. On top of that our bespoke casing and electronics further increase safety and durability.

3-YEAR WARRANTY

Super B's 3-year warranty offers the best peace of mind. It is the benefit of years of continuous engineering improvement and proven experience with all of our batteries in the harshest environments.



ENVIRONMENT

Super B batteries do not contain lead. The LiFePO₄ technology is an environmental-friendly energy storage solution.

APP

Download the free 'Be in charge' app for [iPhone](#) or [Android](#)



TECHNICAL SPECIFICATIONS

SKU/EAN	138718531361317
Battery designation	IEC 61960: 4IFpR19/66-60
Height (mm)	190 (+/-3)
Diameter (mm)	NA
Width (mm)	353 (+/- 2)
Thickness (mm)	175 (+/- 2)
Open circuit voltage	13,2V
Nominal voltage	12,9V
Charge method	CCCV
Charge voltage	14,3...14,6V
Charge current	90A
End of discharge voltage	8V
Discharge current continuous	200A
Discharge current (30 seconds)	350A
Weight	12,5kg (+/- 5%)
Recommended charge temperature range	-10°C to +45°C*
Discharge operating temperature range	-20°C to +60°C*
Short term storage temperature range	-10°C to +35°C
Long term storage temperature range	23°C (+/- 5°C)

* When temperature is < 0°C or > 45°C performance will be degraded.