



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.

Features

- Traction battery
- Lithium Iron Phosphate (LiFePO₄)
- Most safe lithium technology today
- Superior abuse tolerance
- Integrated BMS (Battery Management System)
- Up to 95mm² wire connection per terminal
- Integrated short circuit protection
- CAN / LIN / Bluetooth interface for battery monitoring
- Battery monitoring/ history storage
- Adaptive cell balancing
- Battery monitor app for iOS and Android (App available in September 2017)
- This battery is for 12V installation, parallel connection possible (do not put in series)

Performance

- High capacity (can power coffee machines, airco and other devices that could not be powered from traditional batteries)
- Low weight (~20kg compared to lead acid)
- High cycle count, up to 5000 cycles
- Low maintenance
- One on One replaceable with AGM/GEL lead acid batteries
- High discharge current, 200A continuous, 350A pulse (30s)
- >96% efficiency means more efficient (solar) charging and using almost all available energy
- Low self-discharge of ~10% a year

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.

Feedback

Did you already buy an Epsilon? Please, give us your feedback and fill in our [survey](#).



Recharges much faster



Longer service life



Only 1/3 of the size



Be in charge. **Super B.**



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High temperature starting

Applications for Epsilon SB12V1200Wh-M

RV	Marine	Industrial
Mining	Remote Power	Utility batteries
Telecom		

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Technical specifications Epsilon SB12V1200Wh-M

SKU/EAN13	8718531361317
Battery designation	IEC 62620: IFpR19/67[60p4s]M/-10+60/90. IEC 61960: 4IFpR19/67-60
Height (mm)	190 (+0 / -3)
Diameter (mm)	NA
Width (mm)	353 (+0 / -2)
Thickness (mm)	175 (+0 / -2)
Open circuit voltage	13,2V
Nominal voltage	12,8V
Charge method	CCV
End of charge voltage (V)	14,6V
Charge current (A)	90A
End of discharge voltage (V)	10V
Discharge current (A)	200A
Discharge pulse current (A) (30 seconds)	350A
Discharge performance at 20 °C (rated capacity)	90A
EqPb (Equals Lead acid battery)	200Ah
Weight	12,5kg (+5% / -5%)
Operating temperature range	-40°C to +65°C (Between -40°C to +10 °C and between +55°C to + 65°C, charge current will be reduced automatically)
Storage temperature range	-40°C to +65°C