SB12V160E-ZC

Lightweight Lithium Ion Traction battery, 59.3 lb / 26.9 kg.
This newly developed battery is designed to replace the much heavier 250 to 320 Ah lead-acid battery.

Features

- Traction battery
- Lithium Iron Phosphate (LiFePO4)
- Most safe lithium technology today
- Superior abuse tolerance
- Integrated BMS (Battery Management System)
- Glass fibre reinforced plastic (GRFP) Casing, Aluminium / PE sandwich side panels
- 2 x 95mm2 wire connection per terminal
- Integrated fuse, 32V / 500A
- CANOpen interface for battery monitoring
- Battery monitoring / History Storage
- Adaptive cell balancing
- Serial string equalisation

Performance

- High capacity
- Low weight
- High cycle count
- Low maintenance
- One on One replaceable with AGM/GEL lead acid batteries
- High discharge current, 3C continuous, 5C pulse
- Can be charged with regular AGM charger
- Fast charging, 1C

- Serial string connection up to 1150V DC

Safety

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

Recharges much faster

Longer service life

Only 1/3 of the size

Weighs less

Low self discharge

High temperature starting

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Applications for SB12V160E-ZC

Mining	Lift Trucks	Remote Power
UPS	Military	Utility batteries
Solar	Industrial	Telecom
Marine		

Technical specifications SB12V160E-ZC

SKU/EAN13	8718531360198
Battery Designation	4IFP227/415/315
Height (mm)	313,00 / 314,00
Diameter (mm)	NA
Width (mm)	413,50 / 414,50
Thickness (mm)	225,00 / 226,00
Nominal voltage (V)	13,2V
Charge method	CCCV
End of charge voltage (V)	15,4V
End of charge voltage (V) for endurance (cycle life)	14,6V
Charge current (A)	160A (1C)
Charge current (A) for endurance (cycle life)	52,8A (C/3)
End-of-discharge voltage (V)	8V
?End-of-discharge voltage (V) for endurance (cycle life)	10V
Discharge current (A)	480A (3C)

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Discharge current (A) for endurance (cycle life)	52,8A (C/3)
Discharge pulse current (A) (10 seconds)	1280A (8C)
Discharge pulse current (A) (60 second)	800A (5C)
Discharge performance at 20 °C (rated capacity)	160Ah / 2112Wh
Discharge performance at –20 °C (capacity)	104Ah / 1372,8Wh
High rate discharge performance at 20 °C (capacity)	144Ah / 1841,4Wh
EqPb (Equals Lead acid battery)	320Ah
Weight	26,9kg
Operating temperature range (Charge)	0°C to 45°C
Operating temperature range (Discharge)	-20°C to +60°C
Storage temperature range	-20°C to +60°C

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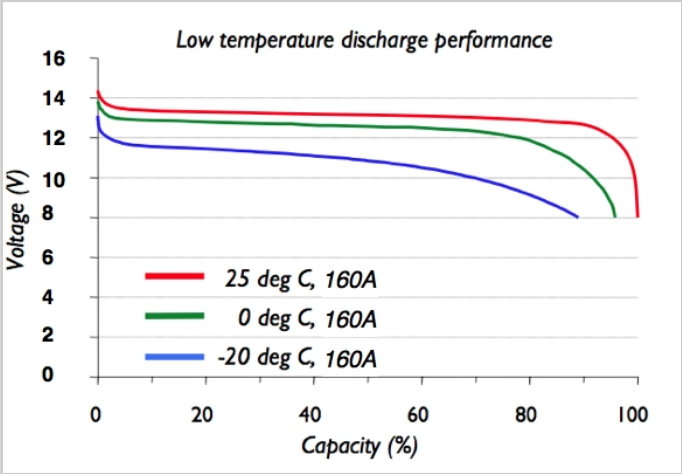
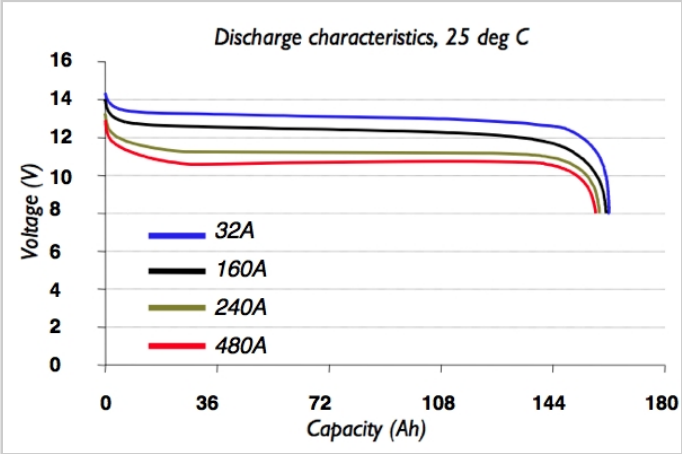
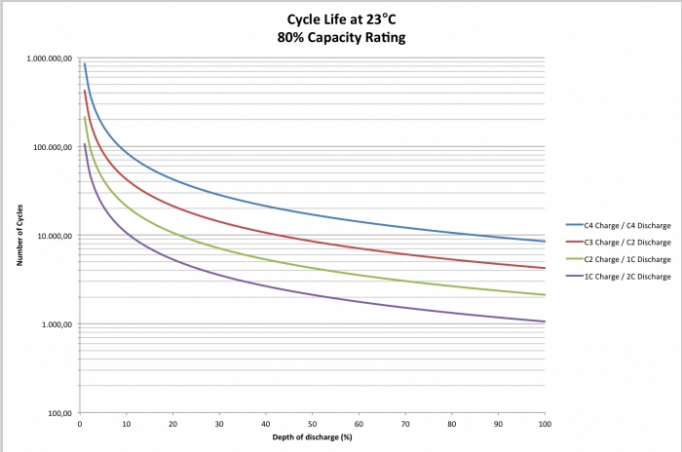
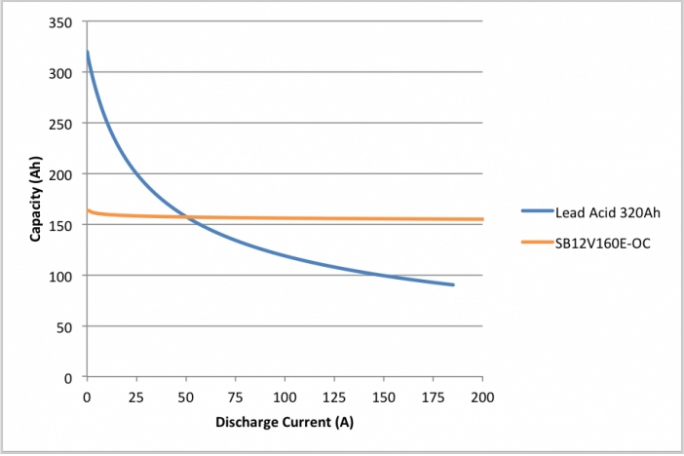
Performance of the SB12V160E-ZC









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