



Super B Lithium batteries to perform better









SB12V50E-XC

Lightweight Lithium Ion Traction battery, 24.35 lb / 11.5 kg.
This newly developed battery is designed to replace the much heavier
70 to 100 Ah lead-acid battery.

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**
-  **Weights less**
-  **Low self discharge**
-  **High temperature starting**

Applications for SB12V50E-XC

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

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Technical specifications SB12V50E-XC

SKU/EAN13	8718531360679
Battery Designation	4IFP196/299/271
Height (mm)	269,5 / 270,5
Diameter (mm)	NA
Width (mm)	297,5 / 298,5
Thickness (mm)	194,5 / 195,5
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)	50A (1C)
Charge current (A) for endurance (cycle life)	16,5A (C/3)
End-of-discharge voltage (V)	8V
?End-of-discharge voltage (V) for endurance (cycle life)	10V
Discharge current (A)	150A (3C)
Discharge current (A) for endurance (cycle life)	16,5A (C/3)
Discharge pulse current (A) (10 seconds)	400A (8C)
Discharge pulse current (A) (60 second)	250A (5C)
Discharge performance at 20 °C (rated capacity)	50Ah / 660Wh
Discharge performance at -20 °C (capacity)	32,5Ah / 429Wh
High rate discharge performance at 20 °C (capacity)	45Ah / 594Wh
EqPb (Equals Lead acid battery)	100Ah
Operating temperature range (Charge)	0°C to 45°C
Operating temperature range (Discharge)	-20°C to +60°C



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Storage temperature range

-20°C to +60°C

Weight

11,5kg

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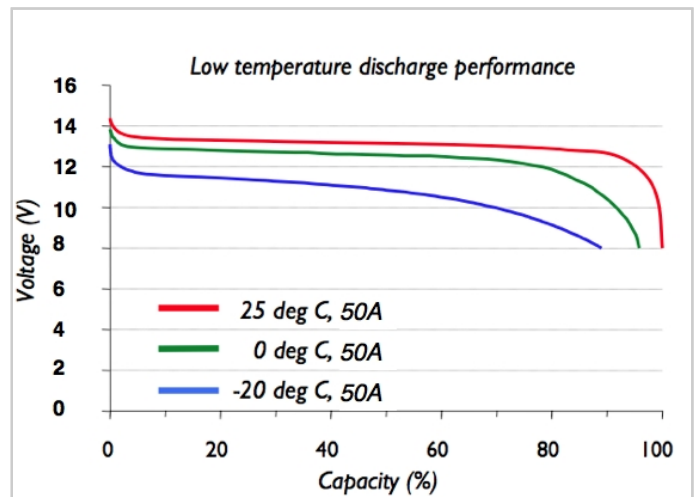
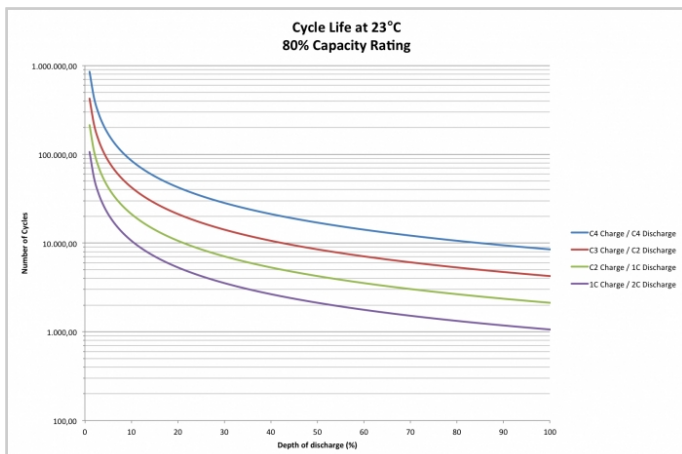
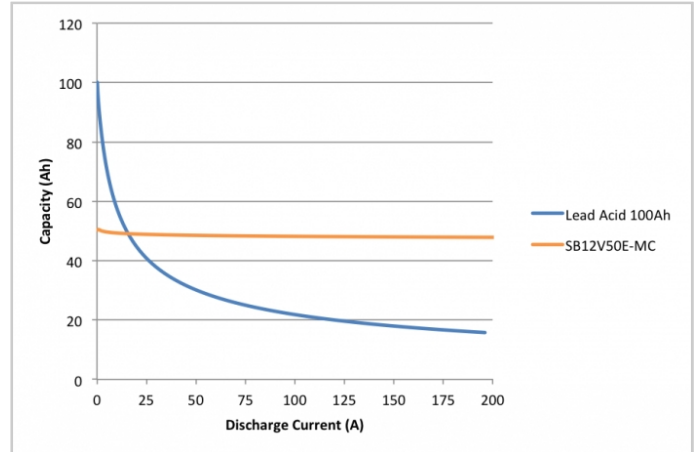
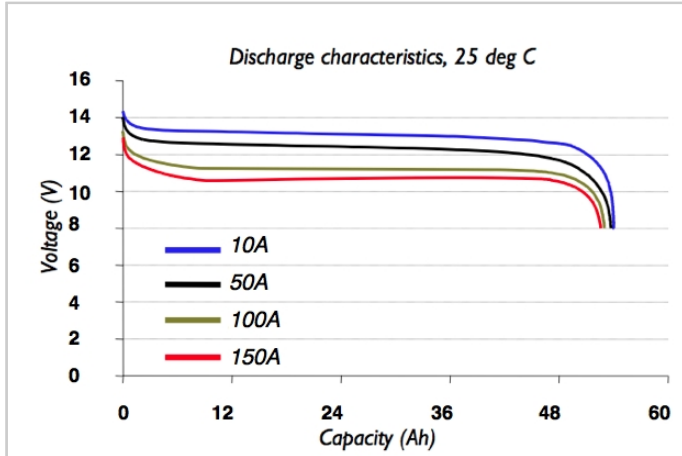
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Performance of the SB12V50E-XC



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