



Super B Lithium batteries to perform better









SB12V100E-NC

Lightweight Lithium Ion Traction battery, 44.09 lb / 20 kg.
This newly developed battery is designed to replace the much heavier 150 to 200 Ah lead-acid battery.

Safety

super B batteries are based on Lithium Iron Phosphate technology (LiFePO₄). This so called 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**

Applications for SB12V100E-NC

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

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Technical specifications SB12V100E-NC

SKU/EAN13	8718531360181
Battery Designation	4IFP191/366/266
Height (mm)	264,50 / 265,50
Diameter (mm)	NA
Width (mm)	364,50 / 365,50
Thickness (mm)	189,50 / 190,50
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)	100A (1C)
Charge current (A) for endurance (cycle life)	33A (C/3)
End-of-discharge voltage (V)	8V
?End-of-discharge voltage (V) for endurance (cycle life)	10V
Discharge current (A)	300A (3C)
Discharge current (A) for endurance (cycle life)	33A (C/3)
Discharge pulse current (A) (10 seconds)	800A (8C)
Discharge pulse current (A) (60 second)	500A (5C)
Discharge performance at 20 °C (rated capacity)	100Ah / 1320Wh
Discharge performance at -20 °C (capacity)	65Ah / 858Wh
High rate discharge performance at 20 °C (capacity)	90Ah / 1188Wh
EqPb (Equals Lead acid battery)	200Ah
Weight	20kg
Operating temperature range (Charge)	0°C to 45°C



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Operating temperature range (Discharge)	-20°C to +60°C
Storage temperature range	-20°C to +60°C

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Performance of the SB12V100E-NC

