



**Super B** Lithium batteries to perform better







## SB12V3200E-AC

This newly developed Lithium battery is designed to replace the much heavier 5 to 7 Ah lead/acid battery.

### Safety

super B batteries are based on Lithium Iron Phosphate technology (LiFePO<sub>4</sub>). 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**

## Technical specifications SB12V3200E-AC

SKU/EAN13	8718531360105
Battery Designation	4IFP36/115/85
Height (mm)	83,50 / 84,50
Diameter (mm)	NA
Width (mm)	113,50 / 114,50
Thickness (mm)	34,50 / 35,50
Nominal voltage (V)	12,8V

**Super B** Lithium batteries to perform better

Diamantstraat 1e  
7554 TA Hengelo  
The Netherlands

T +31 (0)748200010  
F +31 (0)74 8200011  
E [info@super-b.com](mailto:info@super-b.com)



## Super B Lithium batteries to perform better

Charge method	CCCV
End of charge voltage (V)	16,4V
End of charge voltage (V) for endurance (cycle life)	14,6V
Charge current (A)	3,2A (1C)
Charge current (A) for endurance (cycle life)	1,6A (C2)
End-of-discharge voltage (V)	8V
?End-of-discharge voltage (V) for endurance (cycle life)	10V
Discharge current (A)	12A (4C)
Discharge current (A) for endurance (cycle life)	3,2A (1C)
Discharge pulse current (A) (10 seconds)	28A (8C)
Discharge pulse current (A) (1 second)	28A (8C)
Discharge performance at 20 °C (rated capacity)	3,2Ah / 42,24Wh
Discharge performance at -20 °C (capacity)	2,56Ah / 33,792Wh
High rate discharge performance at 20 °C (capacity)	2,88Ah / 38,016Wh
EqPb (Equals Lead acid battery)	5 to 7Ah
Operating temperature range (Charge)	-20°C to +60°C
Operating temperature range (Discharge)	-20°C to +60°C
Storage temperature range	-20°C to +60°C
Weight	0,450kg

**Super B** Lithium batteries to perform better

Diamantstraat 1e  
7554 TA Hengelo  
The Netherlands

T +31 (0)748200010  
F +31 (0)74 8200011  
E [info@super-b.com](mailto:info@super-b.com)