

## DATASHEET SUPER B 20P-SC

### SB12V20P-SC

Light-weight, high-performance, safe and reliable lithium-ion starter battery, especially developed for motorsports. This battery equals a lead-acid battery of 70 to 100Ah, provided the alternator's maximum

current doesn't exceed the battery's maximum charge capacity of 66A. Designed in a standard rally casing. Suitable for 12V systems and for use in extreme environments.

### LIGHTWEIGHT POWER

With a weight of only 3,7kg or 7.94lb, the SB12V20P-SC starter battery saves up to 80% in weight in comparison to traditional lead-acid batteries and is only 1/3 of the size of a conventional battery. This improves not only the performance of your vehicle but also helps to increase the fuel economy.

The starter battery offers a high level of power, super-fast charging and a long, maintenance-free service life. It also has a stable and flat discharge which means you have over 80% of the batteries capacity available and you can leave your vehicle unattended for a much longer period compared to a lead-acid battery.



### PERFORMANCE



Super-fast charging



Lightweight



Longer service life, up to 4000 cycles



Incredible small size



Low self-discharge



High temperature operating range

### SAFETY

Super B batteries are based on Lithium Iron Phosphate technology (LiFePO<sub>4</sub>). This is the safest Lithium technology available today. On top of that our bespoke casing and electronics further increase safety and durability.

### ENVIRONMENT

Super B batteries do not contain lead. The LiFePO<sub>4</sub> technology is an environmental-friendly energy storage solution.

## 3-YEAR WARRANTY

Super B's 3-year warranty offers the best peace of mind. It is the benefit of years of continuous engineering improvement and proven experience with all of our batteries in the harshest environments.



## USE

Please take this advice into account while using the battery:

1. Do not jump start.
2. Use a correct charger.
3. Make sure the battery does not get deeply discharged. If the battery has no charge

remaining when you check it, consider it to be damaged. Do not attempt to recharge or use it.

4. This battery is specially developed for motorsport. If you want to use it on road, please consult Super B

## TECHNICAL SPECIFICATIONS

SKU/EAN13	8718531360075
Battery Designation	4IFpR27/66-8
Height (mm)	140,30 / 141,30
Diameter (mm)	NA
Width (mm)	248,35 / 249,35
Thickness (mm)	95,25 / 96,25
Energy (Wh)	254,2
Nominal voltage (V) at 50% SoC, 0.2C discharge	12,71V
Charge method	CCCV
Charge voltage (V)	14,3...14,6
Max. charge current (A)	66
Rated capacity (Ah)	20
End-of-discharge voltage at max. 10C (V)	8
Max. continuous discharge current (A)	320
Discharge pulse current (A) (1 second)	892A (45C)
EqPb (Equals Lead acid battery)	70 to 100Ah
Operating temperature range	-30°C to +55°C
Storage temperature range short term (1 month)	-20°C to +45°C
Storage temperature long term (>1 month)	-10°C to +25°C
Cycle life at 1C charge/discharge	>1000
Cycle life at C3 charge/discharge	>4000
Weight	3,664kg