

DATASHEET

12V 20AH SMART STARTER

The new 12V 20Ah smart starter battery is light-weighted, compact and offers high performances. Thanks to its lithium-iron phosphate technology and integrated BMS system this new generation battery is extremely reliable and offers optimal safety. This battery is developed for motorsport, motorcycle, automotive and marine applications. Suitable for 12V systems and for use in extreme environments.

LIGHTWEIGHT POWER

With a weight of ±4.6kg /10.14lbs, this 12V 20Ah smart 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 battery offers a high level of power, 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.




INTEGRATED BMS


The 12V 20Ah smart starter battery incorporates a Battery Management System (BMS) to ensure a high level of safety during use. The BMS constantly monitors the status of individual battery elements such as cell temperature, cell voltage, charge and discharge currents. The integrated BMS also provides cell balancing.


SAFE AND RELIABLE


Due to its high ingress protection class (IP67) the battery is dust tight and waterproof. Therefore the battery can be used in the most extreme environments as well.


PERFORMANCE


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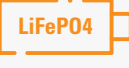
Fast charging
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Lightweight
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Long and maintenance free lifespan
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Compact size
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Low self-discharge
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Integrated BMS
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Safest Lithium Iron Phosphate Technology (LFP)

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.



ENVIRONMENT

Super B starter batteries directly replace older generation batteries which are inefficient and harmful to the environment. Super B batteries do not contain lead. The LiFePO4 technology is an environmental-friendly energy storage solution.



TECHNICAL SPECIFICATIONS*

SKU/EAN13	8718531361812
Battery designation	4IFpR27/66-8
Length(mm)	252
Width (mm)	98
Height (mm)	170
Energy (Wh)	256
Nominal voltage (V)	12.8V
Charge method	CCCV
Recommended charge voltage (V)	14.4
Max. charge current (A)	66
Rated capacity (Ah)	20
End-of-discharge voltage (V)	8
Max. continuous discharge current (A)	260
Discharge pulse current (A) (1 second)	892A (45C)
Charge temperature	0°C to +45°C
Discharge temperature	-20°C to +55°C
Storage temperature	-20°C to +45°C
Weight	±4.6 kg / 10.14lbs
Ingress Protection	IP66

*Updated on 4 July 2019. Product specifications and data may be subject to change.