



Fact Sheet

- **Application:** The super B battery is designed to replace existing lead-acid batteries.
- **Safety:** Super B batteries are li-ion-based. The li-ion technology used in super B batteries is very safe, and our specially designed casing and electronics make absolutely sure that no harm will be done to man or machine.
- **Capacity:** Super B 2300 stands for 2.3 Ah (Amps/Hour), super B 4600 for 4.6 Ah, which represents the real capacity under maximum continuous load. Lead-acid battery manufacturers provide a 20-hour rating; this means a 7Ah battery, for example, can be discharged over a period of 20 hours with a 0.35 Amp load. This is not very practical, as the same 7 Ah battery discharged with a 2 Amp load, for example a 25 Watt light bulb, will yield no more than 1.3 Ah of energy. The lead-acid battery, therefore, has less capacity when the load increases, which means that you can start more often with the super B.
- **Which super B suits your bike?:** In terms of starting current, the super B 2300 is comparable to a 5 to 7 Ah lead-acid battery. The super B 4600 is comparable to a 12 to 14 Ah lead-acid battery.
 - **super B 2300**
 - up to 250cc four stroke without kick start
 - up to 450cc four stroke with kick start
 - **super B 4600**
 - all four stroke bikes without kick start up to 1000cc
 - 250 cc two stroke and above
- **Starting Current:** We use a 10-second rating instead of CCA for the super B battery. The 10-second rating is easy to understand: it represents the amount of current a battery can produce during 10 seconds without being damaged. The super B 2300 can deliver a current of 120 Amps during 10 seconds, the 4600 can deliver 240 Amps during 10 seconds. The batteries can deliver higher currents for shorter periods and lower currents for longer periods.
- **Charging:** Super B batteries can be charged up to 14.4Volt. Do not overcharge, as this will damage the battery. The super B charges much faster than conventional batteries: charging a lead-acid battery takes 7 to 14 hours, during the process of which the internal resistance increases and the charge current decreases. The super B 2300 can be charged within 1 hour at a charge current of 2.5 Amps. If the charge current is increased to 5 Amps, it will fully charge in 30 minutes.
- **Charger:** We advise you to use the super B charger for charging the battery. Do not use a lead-acid charger, as these chargers are optimized for a different battery technology and use methods for charging and safeguarding that are unsuitable for li-ion batteries.
- **Lifespan:** Over 5 years.

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- **Modification:** Super B batteries are equipped with leads and connectors, making it easier to replace the stock lead-acid battery. The small size of the super B battery means that in many cases, the wires on the bikes are too short to reach the battery poles. Super B batteries are shipped with extra connectors to fit to the wires on the bike.
- **Self-discharge:** As super B batteries have a very low self-discharge rate, the batteries will last for several years in storage.
- **F.I.M. / Stock Racing :** The F.I.M. has changed the rule for stock racing regarding battery use:
2.7.9.5 Battery: The Battery may be replaced. If replaced, its nominal capacity must be equal to or higher than the Homologated type.
The F.I.M. has therefore approved the super B battery for use as replacement battery.