pbq®
professional battery quality

M5
M5 Bolt
166
175
125

Image not available

Basic Specifications

Voltage:	12.8 V
Capacity:	1 hour rate: 30Ah
Cycles:	4000 (80% DoD)
Appr. dimensions:	166*175*125mm (LxWxH) (±2mm)
Terminal:	M5 insert
Container & lid:	ABS
Internal Resistance:	<85mΩ (Fully charged)
Charge voltage	14.6V
Charge style	CC/CV
Approximate weight:	4.6kg
Max charge current:	20A
Max discharge current:	30A (continuous)
	80A (pulse 10 sec.)
Operating temp. range:	Discharge -20 to 60ºC
	Charge 0 to 60ºC
	0.1C Charge -20 to 60ºC

Typical Applications

• Wheelchairs and scooters
• Golf trolleys & buggies
• Lifts, elevators & hoists
• Electric bikes / steps
• Solar and wind energy
• Tools

Lithium LiFePO4 series

The pbq Lithium Ferro Phosphate battery is a product with great performance. It is even more. It is a total concept, serving all the parties downstream; from the very first production step, to the user, to transportation and even to the recycler. The pbq LiFePO4 concept embraces a long service life, optimal energy density in both volume as well as in weight and a high grade of safety. The battery contains everything you need in a closed blue casing. Just connect it to your application without worrying about the safety features.

LiFePO4 battery applications

LiFePO4 batteries are ideal for deep cycle applications such as; electric scooters and vehicles, steps, golf carts, energy storage and tools. High power pbq LiFePO4 batteries has light weight and optimized size. Light weight means energy would be saved due to total weight reduced, and weight reduced also means long driving distance. Optimized size batteries are suitable to replace lead ccid batteries. LiFePO4 batteries enlarges your range of your applications!

Service life of pbq LiFePO4 batteries

The pbq LiFePO4 battery has a service life of more than 2000 cycles at 100% depth of discharge and a remaining capacity of 80%! This long lasting cyclic use offers an uninterrupted use of the application. It also reduces service costs, downtime of the equipment and replacements of the battery. Just calculate what this will save over time and see that it is worth to invest in.

Discharge Time VS. Discharge Current (25ºC)

Cycle Service Life