

Basic Specs

Input voltage:	100-240VAC, 50-60Hz
Input current:	1.6A
Constant voltage:	14.4V
Constant current:	5.0A
Operating temp. range:	-20°C ~ 40°C
Cooling:	Natural convection. Do not cover the charger
Charge principle:	Auto 4 stages: pre-charge, then C.C. mode, then C.V. mode, then off.
Battery type:	12.8V 4 Cell LiFePO4
Battery capacity:	4-25Ah
Size:	170x71x41mm
Enclosure:	ABS
Weight:	0.40 kg

Technical details

Operating humidity range:	20% ~ 90%
Storage temp. range:	-40°C ~ 70°C
Storage humidity range:	10% ~ 95%
Vibration resistance:	5mm / 50Hz / 600s
Impact resistance:	1 meter drop test > = 3 times
Max. temperature rise:	<30°C on the casing
MTBF:	40000Hrs
ESD:	8.0kV
Efficiency:	≥80% typical at max. load

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 acid 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.

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Typical Applications

- Electric scooters, steps and golf carts
- Power supplies / Emergency power
- Household appliances
- Traffic systems
- Tools