



LiFePO4 12-100S Lithium Akku

12,8V 100Ah 1280Wh



The Q-Batteries lithium accumulators with lithium iron phosphate technology (LiFePO4) are extremely cycle-resistant and versatile batteries. Compared to other lead-acid battery types, lithium-ion batteries are significantly lighter and have a longer service life. There is no danger of explosion even under extreme conditions or in case of misuse, as the innovative cell technology offers high operational reliability, long shelf life and wide temperature ranges. From a capacity of 75 Ah, the batteries have a Bluetooth interface and can be monitored in real time on a mobile phone or tablet via an Android app. Whether state of charge, temperature development or charge/discharge performance - the app offers its users a detailed insight into the status of their battery.



Features & Benefits:

- maintenance-free, extremely cycle-resistant, Lithium technology
- very high energy density, long shelf life
- low weight, compact dimensions
- App available in the Google Play Store: Q-Batteries BMS
- integrated heating function for charging at temperatures until -20°C

Application:

- Scooters, cleaning machines
- Rehabilitation technology
- Camper vans, caravans, boats
- Solar applications etc.

Note for charging Li-Ion batteries:

Only special chargers may be used for charging Li-Ion batteries. The charger must guarantee a constant charging current and a constant final charging voltage and switch itself off accordingly, as a trickle charge would damage the Li-Ion batteries and also destroy them over time.

Specification:

Voltage	12,8 V (charging voltage 14,6V)
Capacity	100 Ah / 1280 Wh
Weight	12.18 kg +/- 3%
Max. Current	80 A
Operating temperature ranges	Discharge: $-20^{\circ}\text{C} - 55^{\circ}\text{C}$ Charge: $-20^{\circ}\text{C} - 45^{\circ}\text{C}$
Terminal	F12 (M8)
Technology	LiFePO 4, Lithium Iron Phosphate
Container material	A.B.S.

Dimensions:

353 mm length x 180 mm width x 190 mm height

