



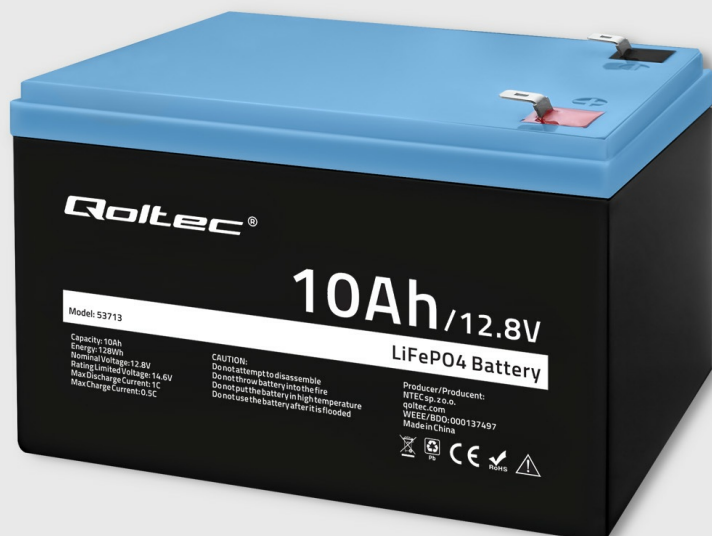
Qoltec LiFePO4 lithium iron phosphate battery | 12.8V | 10Ah | 128Wh | BMS

Product code: 53713

The Qoltec 10Ah LiFePO4 battery is a reliable source of energy for your power needs. The product is maintenance-free, environmentally friendly and completely safe. It is designed for cyclic discharge and charging. High performance, long service life and low weight are just a few of the advantages that distinguish the LiFePO4 battery. The product has a built-in BMS security system.

ENERGY AT THE HIGHEST LEVEL - AN INVESTMENT THAT PAYS OFF

LiFePO4



Thermal and chemical stability

If you are looking for a long-lasting energy source, the LiFePO4 battery from Qoltec will be a very good investment. This type of battery is all about **thermal and chemical stability**, allowing you to work in very extreme conditions without compromising the performance of the battery and allowing it to retain its full capacity.

3000 CYCLES OF RELIABLE ENERGY - CHOOSE DURABILITY WITH LIFEPO4



3000 charge and discharge cycles

LiFePO₄ batteries are durability and performance in one :

- **100% depth of discharge**,
- very low self-discharge rate,
- **no memory effect**, very efficient cycling and buffer operation,
- longer service life - more than 3000 charge and discharge cycles,
- 100% maintenance-free, no need to top up the electrolyte,
- the higher energy density compared to, for example, lead-acid batteries of the same capacity translates into significantly lower weight,
- **environmentally safe** - no toxic gases or chemicals are released,
- can be operated in any position, no need to set it horizontally,
- shock-resistant.

ADVANCED LIFEPO4 TECHNOLOGY - MORE POWER, LESS CHARGING



Efficient and deep discharge resistant

Our batteries are **extremely efficient and resistant to deep discharges**. They are characterised by a **longer service life while maintaining their properties of more than 3000 charge and discharge cycles**, and this gives them a major advantage over other batteries currently available on the market. In addition, they are **non-polluting, recyclable**, non-toxic and non-flammable.

POWER YOU CAN RELY ON



Wide range of applications for LiFePO₄ batteries

The wide range of advantages and functional benefits of lithium-iron-phosphate batteries means that they will meet the expectations of even the most demanding users and are perfect for :

- in photovoltaics, as power storage, off-grid systems,
- uninterruptible power supplies, UPS, voltage converters,
- alarm systems, access control systems,
- campers, trailers,
- electric cars,
- yachts, boats, motorboats,
- golf carts, wheelchairs,
- emergency lighting,
- power tools, lawnmowers,
- electric toys, quads.



BMS OR INTELLIGENT BATTERY MANAGEMENT SYSTEM



Battery Management System

BMS for intelligent battery management system

All Qoltec LiFePO₄ batteries are **equipped with a BMS**, which is an essential element of battery protection. The system takes care of increasing the service life of the cells. It constantly monitors the operation of the battery, **protecting the cells from overheating, overcharging and deep discharge**, cutting off the power supply when values are exceeded that pose a potential danger to the battery and connected devices.

CONFIDENCE CONFIRMED BY A GUARANTEE



Quality Guarantee - Long-lasting Power, Reliable Performance

Do you care about the high quality of the product you are buying? Our solutions will meet your expectations. The LiFePO₄ batteries we offer come with a **24-month warranty** valid from the date of purchase.

TECHNICAL DATA

Producer	Qoltec
Battery type	LiFePO ₄
Power	128Wh
Capacity	10Ah
Nominal voltage	12.8V
Rating limited voltage	10.4V-14.6V
Type of charging	CV
Battery charging voltage	14.4 0.2V
Number of charging cycles	Retains more than 80% of capacity even after 3000 charging cycles
Connector type	T2
Maximum charging current	0.5C
Maximum discharge current	1C
Cut off voltage	10.4V
Polarization	L+
Protection	Battery with BMS
Battery overcharge protection	3.65V
Application	Photovoltaics, Off-grid systems, Energy Storage, Emergency power supply, Electric cars, Campers, Yachts, Wheelchairs, Power tools, Emergency lighting
OTHER PARAMETERS	
Colour	Black, blue
Operating temperature range	Discharge: -15 60 Charge: 0 60 Storage: -15 50
Storage temperature range	-15 ~ 50 Batteries can be stored for over 6 months at 25 .
Storage humidity	45 85%RH
IP Rating	IP65
Dimensions (D/L x W x H)	95 x 150 x 95 mm
Package depth / length [mm]	95
Package width [mm]	150
Package height [mm]	95
Net weight [kg]	1.325
Gross weight [kg]	1.330
EAN code	5901878537139