



Qoltec Gel Battery | 12V | 100Ah | 29.3kg | Maintenance-free | Professional | LongLife | PV, UPS, camper, boat

Product code: 53080

The Qoltec gel battery is designed for both buffer and cyclic operation. It is a maintenance-free, fully sealed product with undeniable advantages including:

- maximum reliability,
- ability to be mounted in any position.

The battery housing is made of **ABS plastic**, while high-quality **pure lead** is used for the cell construction.

ONE BATTERY - TWO OPERATING OPTIONS



Gel batteries can be used as both a buffer and an independent power source

Qoltec gel batteries are an indispensable solution in many fields. Their versatility makes them applicable in various areas where reliable and long-lasting energy supply is needed.

The first application is in **backup power systems**: from UPS power supplies to alarm systems.

Another area of their use is in the **marine industry**: motorboats, electric boats, sailing yachts, and others.

Next, we have:

- photovoltaic systems,
- campers, caravans, forklifts,
- large toys.

What distinguishes gel batteries is their **greater resistance to deep discharge**, without losing performance or durability. To provide you with a stable and safe power source, we have prepared an offer of **Qoltec gel batteries** so that you can choose the variant that best suits your needs.



WHAT IS GEL ELECTROLYTE TECHNOLOGY?

Gel technology allows for a wide range of battery applications

The battery is designed according to the latest **gel technology**, which offers resistance to the effects of deep battery discharge. This is possible thanks to the **gel electrolyte solution**. This provides greater durability and stability of the battery.

LONG BATTERY LIFESPAN - ENJOY ENERGY FOR MUCH LONGER!

High-quality lead and sturdy ABS casing ensure long battery life

An additional advantage of our batteries is their **maintenance-free designed lifespan, of 12 years** under optimal operating conditions!

This is possible thanks to the use of the highest quality components, including **pure (non-recycled) lead**. Meanwhile, the housing designed with **high-quality ABS plastic** aims to maximize the battery's lifespan by protecting its interior.

However, to maintain their optimal condition, it's important to adhere to appropriate charging and storage practices. After all, when reliability and durability matter, there's no better choice than gel batteries.

GREEN IS NOT A COINCIDENCE - BE ECO TOGETHER WITH US!

No compromises in designing our batteries with concern for the environment

Someone might ask: how do batteries containing large amounts of heavy metals, such as lead, contribute to environmental protection? There is a simple answer to this. **The more we focus on creating high-quality products, the longer their lifespan becomes.** Consequently, you will replace them less frequently.

In certain matters, compromise is simply not an option.

RELIABLE IN EVERY ASPECT - YOUR DEVICES' SAFETY WITH GEL BATTERY



The construction advantages include maintenance-free, tightness, and shock resistance

Feel safe – the unquestionable advantage of gel batteries is their complete **maintenance-free operation**, and their **reliability** is maintained for a long time. This is possible thanks to the construction characterized by:

- housing **tightness**,
- shock resistance,
- possibility of mounting in different positions.

By purchasing a 100Ah gel battery, you receive **full reliability guarantee**. Do you want your equipment to work at full throttle without limitations? Now you can be sure that it will receive the necessary energy without compromises.

TAKE CARE OF YOUR BATTERY, AND IT WILL SERVE YOU FOR MANY YEARS

Proper battery usage requires correct charging and storage

Remember that proper usage and **care for gel batteries** are crucial for their lifespan. To enjoy their long life, **try to:**

- maintain proper charging,
- avoid very low temperatures or prolonged exposure to high temperatures,
- use a charger suitable for the specific type of battery.

HOW TO PROPERLY CHARGE A GEL BATTERY FOR MAXIMUM LIFESPAN?

It is recommended to use a dedicated charger for the battery

Gel batteries **require charging using the so-called constant voltage method**, initially with direct current, and then maintaining a constant voltage.

This way, you can avoid the risk of damaging it due to improper charging.

CONFIDENCE CONFIRMED BY A GUARANTEE

Product covered by a 12-month warranty

You care about the quality of the product you're purchasing, which is why **our designs and solutions are aimed at meeting your expectations** . Each battery offered by us is covered by a warranty for 12 months from the date of purchase.

TECHNICAL DATA

Producer	Qoltec
Type	VRLA
Technology	GEL
Rated capacity	100Ah
Voltage	12V
Maximum charging current	30A
Float charge	13.5 - 13.8 V
Cyclic charge	14.4 - 14.7 V
Connector	T16 (M8)
Internal resistance	5.3m
Self-discharge (25 °C)	Maximum reliability and very low self-discharge. After 3 months of storage it retains : 91% After 6 months of storage retains : 82% After 12 months of storage retains : 65%
Designed lifespan	12 years (with buffer operation at 20 °C)
Usage	- Emergency power supply (UPS, emergency power supply for CO furnaces), - Photovoltaic installations, - Power supply for vehicles and electrical equipment, e.g. forklifts, golf carts, ATVs, motorboats, forklifts, scooters, - Emergency lighting, - Access control, - Alarm systems, - Medical apparatus.
Additional information	- wide operating temperature range, - resistance to low temperatures, - maintenance-free,
OTHER PARAMETERS	
Colour	Grey, green
Temperature range	Discharging : -15 °C ~ 50 °C Charging : -10 °C ~ 50 °C Storage : -20 °C ~ 50 °C
Dimensions (D/L x W x H)	170 x 330 x 215 mm
Package contents	Gel Battery VRLA 100Ah
Package depth / length [mm]	185
Package width [mm]	340
Package height [mm]	290
Net weight [kg]	28.5000
Gross weight [kg]	29.8000
Warranty	12 month
EAN code	5901878530802