



## Qoltec Deep Cycle Gel Battery | 12V | 100Ah | 30.5kg | Maintenance- free | Professional | LongLife | PV, UPS, camper

Product code: 53077

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



### Batteries can be used as both a buffer and an independent power source

Deep Cycle batteries, also known as deep discharge 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.

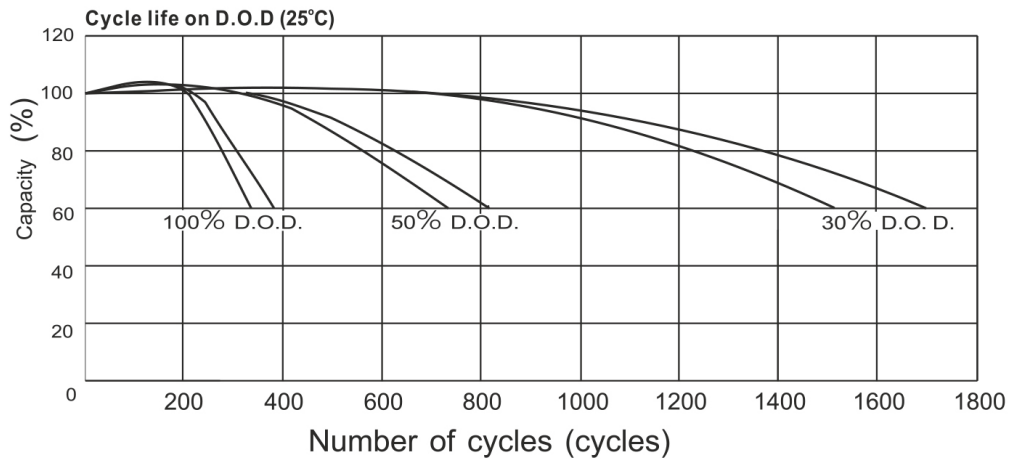
Next, we have:

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

What distinguishes Deep Cycle gel batteries is their **ability to undergo multiple deep discharges and recharges** without loss of performance or durability. To provide you with a stable and safe power source, we offer **Qoltec Deep Cycle Gel batteries**, so choose the variant that best suits your needs.



## MODERN DEEP CYCLE TECHNOLOGY



### Deep Cycle technology allows for deep discharge of the battery

The battery is designed according to the latest **Deep Cycle technology**, which allows for deep discharge of the battery before the recharging process.

This is possible thanks to the combination of the advantages of the solution, such as **gel electrolyte** and **thicker battery plates**. This provides greater capacity, 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 10 years** under optimal operating conditions!

This is possible thanks to the use of the highest quality components, including **pure** (non-recycled) **lead**. It is free from any impurities that could reduce the battery's capacity. 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 Deep Cycle 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 DEEP CYCLE GEL BATTERY



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

Feel safe – the unquestionable advantage of Deep Cycle 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 Deep Cycle 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 Deep Cycle 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 DEEP CYCLE GEL BATTERY FOR MAXIMUM LIFESPAN?

#### It is recommended to use a dedicated charger for the battery

Deep Cycle 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 WARRANTY

#### Product covered by a 24-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 24 months from the date of purchase.

Complaints will be considered only if accompanied by a usage protocol, which is an essential element for the proper analysis of the report and the assessment of the claim's validity.

### TECHNICAL DATA

Producer	Qoltec
Type	VRLA
Technology	Deep Cycle Gel
Rated capacity	100Ah
Voltage	12V
Maximum charging current	20A
Max. Discharge Current	800A (5sec)
Float charge	13.5 - 13.8 V
Cyclic charge	14.4 - 14.7 V
Connector	T16 (M8)
Internal resistance	5m
Capacity affected by temperature (10HR)	40 C : 102% 25 C : 100% 0 C : 85% -15 C : 65%
Capacity (25 )	10h (10.8V) : 100Ah 3 h (10.8V) : 75Ah 1 h (10.5V) : 55Ah
Self-discharge (25 )	Maximum reliability and very low self-discharge. After 3 months of storage, it retains: 91%. After 6 months of storage, it retains: 82%. After 12 months of storage, it retains: 65%.
Designed lifespan	10 years (When working with a UPS)
Usage	<ul style="list-style-type: none"> <li>- Photovoltaics</li> <li>- Yachts</li> <li>- Campervans</li> <li>- Emergency power supply for heating systems</li> <li>- UPS (Uninterruptible Power Supply)</li> <li>- Power tools</li> <li>- Forklifts</li> <li>- Electric cars for children</li> </ul>
Additional information	<ul style="list-style-type: none"> <li>- Resistant to low and high temperatures</li> <li>- Maintenance-free</li> <li>- Any working position</li> <li>- Watertight</li> </ul>
OTHER PARAMETERS	
Colour	Grey, green
Temperature range	Discharge : -15 C ~ 50 C Charging: -10 C ~ 50 C Storage/storage : -20 C ~ 50 C
Dimensions (D/L x W x H)	175 x 330 x 215 mm
Package contents	Deep Cycle Gel Battery 100Ah
Package depth / length [mm]	185
Package width [mm]	350
Package height [mm]	285
Net weight [kg]	30.5000
Gross weight [kg]	31.5000
Warranty	12 months
EAN code	5901878530772