

Qoltec AGM battery | 12V | 80Ah | 23.5kg | Maintenance-free | Strong | LongLife | for UPS, RV, boat, heater

Product code: 53075

The 80Ah AGM battery is designed for use in emergency power systems as well as in buffer charging systems.
It is characterized by:
- High efficiency,
- Mechanical resistance to shocks and vibrations - it does not contain liquid electrolyte, which significantly reduces the risk of leakage and damage, making it ideal for use in challenging conditions,
- LongLife - long lifespan in buffer work conditions up to 10 years.

It is not intended for use as an energy bank for photovoltaic installations.

YOUR STABLE ENERGY SOURCE FOR EVERYDAY AND HOLIDAY



Scope of application of AGM batteries

While performing daily activities or being at work, you certainly use devices that need electricity to function properly. Some of them draw power from the grid and are exposed to voltage fluctuations or power outages. For smooth operation, it is necessary to have an emergency power source. These include:
- alarm and monitoring systems,
- emergency lighting,
- medical equipment,
- scales and cash registers.
Others have internal combustion engines and rely solely on battery power. Among them are:
- quads,
- forklifts,
- scooters,
- boats,
- campers.
To provide them with a stable and safe power source, we have prepared a wide range of solutions. **Check out Qoltec's offer of AGM batteries** and choose the variant that best suits your needs.

DON'T BE CAUGHT OFF GUARD. FIND OUT HOW AN AGM BATTERY PERFORMS AT ITS BEST

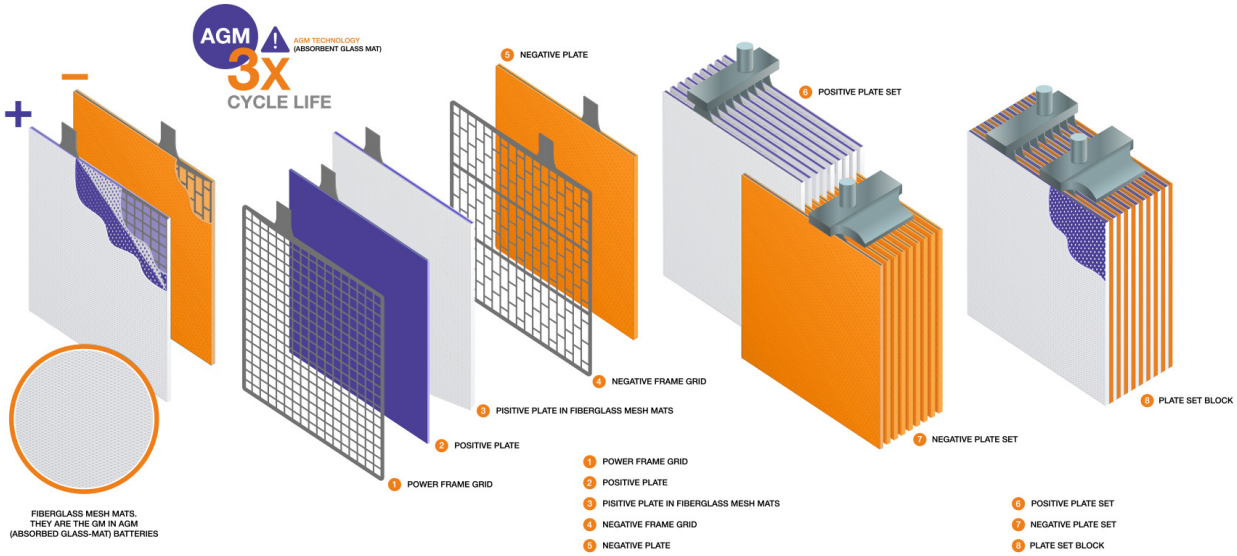


Wondering **where our battery is best applied?** As a primary power source or as a backup power supply for devices usually connected to the electrical grid? We'll answer honestly: we recommend using the 80Ah AGM battery for buffer operation. Why?

Buffer operation mode is recommended for AGM technology

The battery used will function very efficiently and enjoy a long lifespan - up to **10 years, as emergency power in buffer operation** e.g., for UPS power supplies, in alarm systems, emergency lighting, or internal combustion vehicles.

WHAT IS AGM TECHNOLOGY?



AGM technology allows for longer battery life

The **AGM** (Absorbent Glass Mat) technology, in which our batteries are designed, means that the electrolyte contained in the battery is absorbed by special mats made of highly porous glass fiber placed between lead plates. **This solution allows for longer battery life, thanks to the slow discharge process.**

RELIABLE FROM EVERY ANGLE - THE SAFETY OF YOUR AGM BATTERY-POWERED DEVICES



Special construction ensures maintenance-free and safe use

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

- enclosure sealing,

- shock resistance,

- the ability to be mounted in various positions.

When you buy a 80Ah AGM battery, you receive **full reliability guarantee**. Do you want your equipment to work at full capacity without limitations? Now you can be sure it will receive the necessary energy without compromise.

LONG-LASTING BATTERY LIFE - ENJOY ENERGY FOR MUCH LONGER!



Highest quality components ensure long-term use

Another advantage of our batteries is their **maintenance-free 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 is designed with **high-quality material** in mind to maximize the battery's lifespan by protecting its interior.

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



Proper usage requires following these guidelines

Remember, proper use and care of the AGM battery are crucial for its lifespan. **Frequent and deep discharge will certainly not positively affect its efficiency.** To enjoy a long battery life, **try to:**

- avoid deep discharge,

- ensure proper charging **- do not charge the battery with too high a current,**

- avoid very low temperatures or prolonged exposure to high temperatures

- use a charger suitable for the specific type of battery.

HOW TO PROPERLY CHARGE AN AGM BATTERY FOR ITS LONGEST LIFESPAN?



It is recommended to use a dedicated charger for the battery

AGM batteries **require charging with the so-called constant-voltage method, initially with direct current, and then with constant voltage.** This way, you can avoid the risk of damaging it through improper charging.

TRUST CONFIRMED BY WARRANTY



Product covered by a 24-month warranty

You care about the quality of the product you buy, so **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	AGM
Rated capacity	80Ah
Voltage	12V
Maximum charging current	24A
Max. Discharge Current	700A (5sec)
Float charge	13.5 - 13.8 V
Cyclic charge	14.4 - 15.0 V
Connector	T14 (M6)
Internal resistance	6m
Capacity affected by temperature (10HR)	40 C : 102% 25 C : 100% 0 C : 85% -15 C : 65%
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	- Alarm systems and monitoring - UPS - Electronic toys - Motorcycles, quads, scooters, etc. - Forklifts, golf carts, wheelchairs - Solar battery systems - Medical equipment - Emergency lighting
Additional information	- wide operating temperature range, - resistance to low temperatures, - maintenance-free.
Remarks	It's not intended for continuous use as a power bank for a photovoltaic installation.
OTHER PARAMETERS	
Colour	Black
Temperature range	Discharge: -20 C to +50 C Charge: -20 C to +50 C Storage: -20 C to +50 C
Dimensions deviation	+/- 2%
Dimensions (D/L x W x H)	168 x 259 x 210 mm
Package contents	AGM Battery 80Ah
Package depth / length [mm]	185
Package width [mm]	278
Package height [mm]	265
Weight deviation	+/- 10%
Net weight [kg]	23.5000
Gross weight [kg]	23.9000
Warranty	12 months for buffer operation | No warranty for cyclic operation
EAN code	5901878530758