



## Qoltec Voltage balancer for 24V batteries 2 x 12V | 5A | LiFePO4 AGM GEL

Product code: 51097

Qoltec 24V voltage balancer is a practical device for equalizing the voltage between two 12V batteries in 24V installations. It automatically transfers current from the more-charged battery to the less-charged one, which prevents their uneven consumption. This increases the efficiency of the entire system and extends the life of the battery. Ideal for use in electric cars, solar installations, boats or forklifts.

### SMART PROTECTION FOR YOUR 24V INSTALLATION - STABILITY YOU CAN RELY ON



Reliable compact device to support long and trouble-free operation of 12V battery packs

Automatically compensates for differences in battery voltage, protects against damage and increases battery life ensuring stable and safe operation of 24V installations – All this in a compact, fireproof housing, ready to work in any conditions. Does not require connection to 230V mains, operates fully autonomously drawing power from connected batteries. Ideal for demanding and long-lasting applications from photovoltaics to electric vehicles.

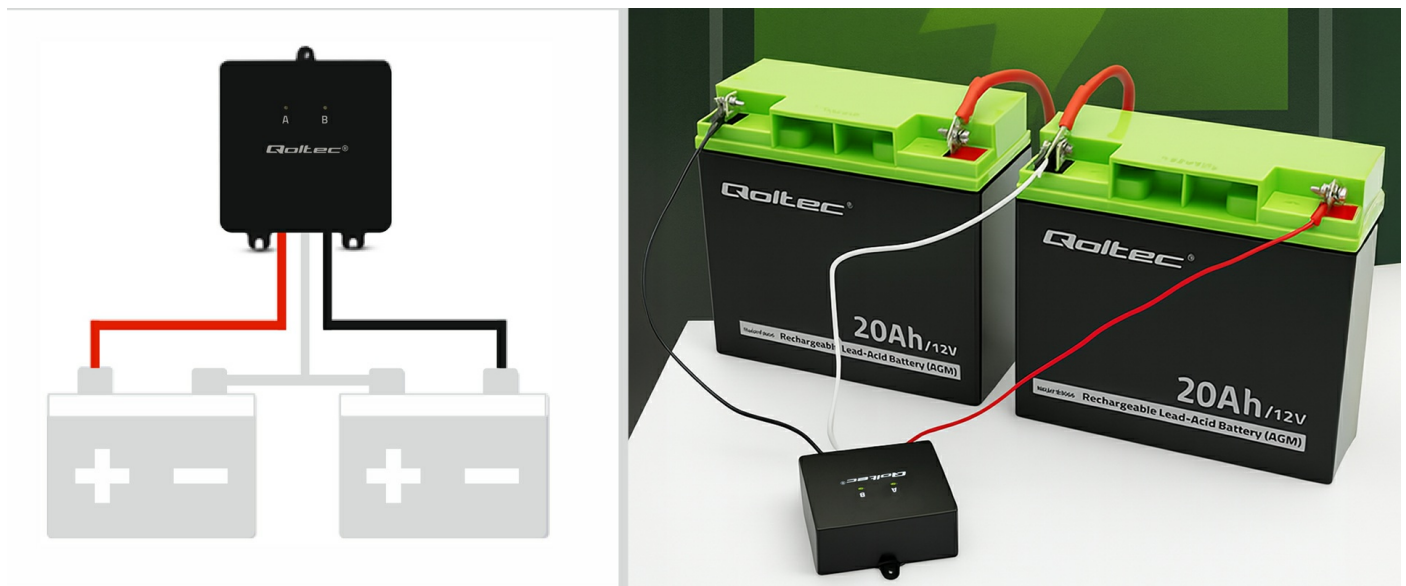
## BALANCE TENSION, GAIN EFFICIENCY



### Key functions and technical features

- Automatic voltage equalization between 12V batteries in 24V systems
- Maximum equalization current: 5A
- Built-in reverse polarity protection
- Connection cable 35 cm with M8 eyelet - ready for immediate installation
- Support: 2 12V batteries - both lead-acid (AGM, GEL) and lithium batteries (LFP, NCM, LTO)
- LED indicator showing the operation of the device
- Recommended battery capacity 20Ah - 200Ah
- Powered directly from batteries - no 230V AC mains connection required
- High-precision integrated circuits reduce component deviation

## QUICK AND SAFE INSTALLATION



### How to connect a voltage balancer

Before connecting the voltage equalizer **Make sure that both batteries are fully charged, have the same type and identical capacity**. The voltage difference between them should not exceed 0.2V. It is also extremely important that the batteries are properly connected in series, and the total voltage of the system is about 24V. Connecting the balancer is simple - **just connect the black wire to the minus, red to the plus of the entire 24V set, and white to the point between the batteries** - The rest will be taken care of by the balancer. **The device will start automatically and LEDs A and B will let you know that the system is working and taking care of your batteries.**

## WORKS WITH ANY 24V SYSTEM - UNIVERSAL APPLICATION, WIDE COMPATIBILITY



For camper, yacht, photovoltaic - Compatible with AGM, GEL, LiFePO<sub>4</sub>, NCM and LTO batteries

The 24V voltage balancer is an excellent choice wherever you use two 12V batteries connected in series. **Ideal for campers, caravans, boats, solar systems, electric vehicles, forklifts and emergency power systems.** No problem works with lead-acid batteries (AGM, GEL), as well as with lithium batteries, such as LiFePO<sub>4</sub>, NCM or LTO. This small device can significantly extend the life of the entire battery and prevent costly failures.

# CONFIDENCE CONFIRMED BY A WARRANTY

Product comes with a 24-month warranty

Do you care about the high quality of the product you buy? Our solutions will meet your expectations. The balancers we offer are covered by purchase. Take care of the condition of your batteries and enjoy the assurance that they are always in top condition!

24 month warranty Valid from the day of

## TECHNICAL DATA

|                             |                                                                                   |
|-----------------------------|-----------------------------------------------------------------------------------|
| Producer                    | Qoltec                                                                            |
| Battery voltage             | 2 x 12V                                                                           |
| Maximum input current       | 5A (from one of the batteries)                                                    |
| Operating current           | 0 – 5A DC                                                                         |
| Battery capacity            | 20Ah – 200Ah                                                                      |
| Load Adjustment             | Automatic                                                                         |
| Connector                   | 35 cm cables terminated with M8 eyelets                                           |
| Protection                  | Protection against reverse polarity                                               |
| Usage                       | 12V lead-acid (AGM, GEL), lithium (LiFePO4, NCM, LTO)                             |
| Additional information      | Voltage equalization between series-connected 12V batteries in a 24V installation |
| OTHER PARAMETERS            |                                                                                   |
| Colour                      | Black                                                                             |
| Material                    | ABS                                                                               |
| Operating temperature       | -20°C ~ +60°C                                                                     |
| Dimensions (D/L x W x H)    | 70 x 70 x 27mm                                                                    |
| Package                     | Box                                                                               |
| Package contents            | 1 x Battery balancer<br>1 x User manual<br>1 x Warranty card                      |
| Package depth / length [mm] | 110                                                                               |
| Package width [mm]          | 126                                                                               |
| Package height [mm]         | 40                                                                                |
| Net weight [kg]             | 0.134                                                                             |
| Gross weight [kg]           | 0.166                                                                             |
| Certificate                 | CE                                                                                |
| Warranty                    | 24 month                                                                          |
| EAN code                    | 5901878510972                                                                     |