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

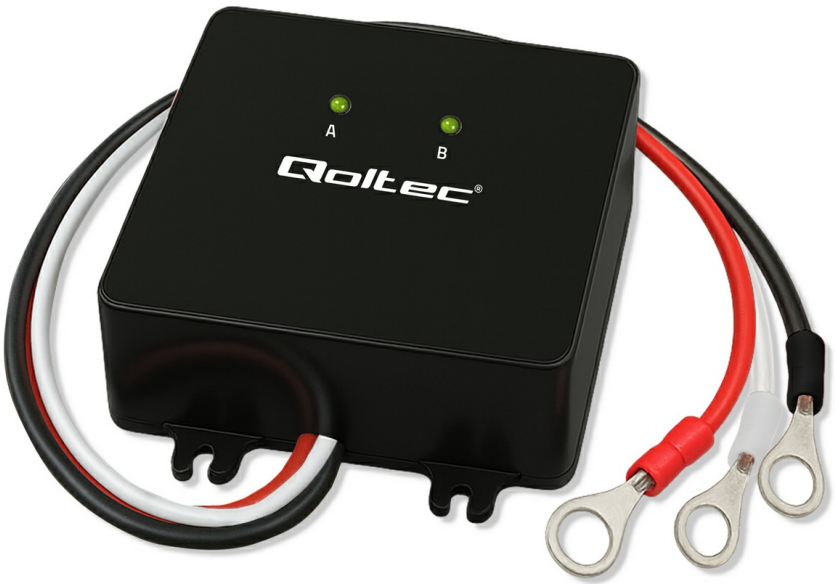
Product code: 51097

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.

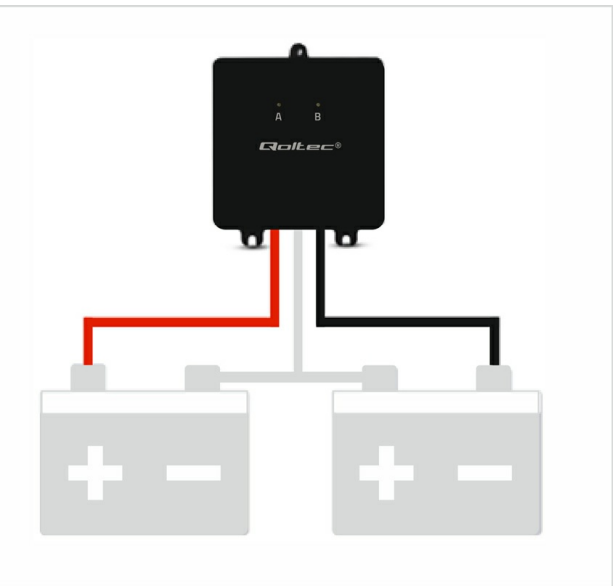
BALANCE TENSION, GAIN EFFICIENCY

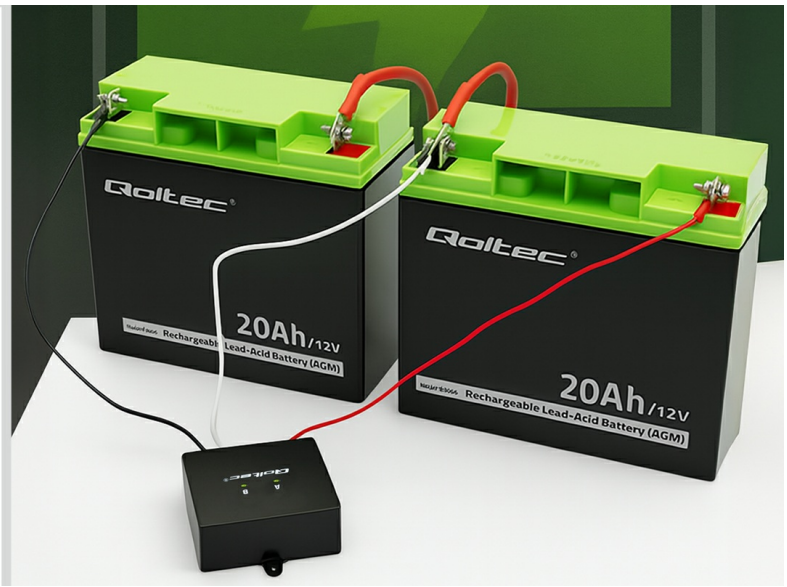


Key functions and technical features

- **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, LiFePO4, 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 LiFePO4, 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 1 x User manual 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