Qoltec Voltage balancer for 48V batteries 4 x 12V | 10A | LiFePO4 AGM GEL

Product code: 51098

Qoltec 48V voltage balancer is a practical device for equalizing the voltage between four 12V batteries in 48V 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 batteries. Ideal for use in electric cars, solar installations, boats or forklifts.

SMART PROTECTION FOR YOUR 48V INSTALLATION - STABILITY YOU CAN RELY ON

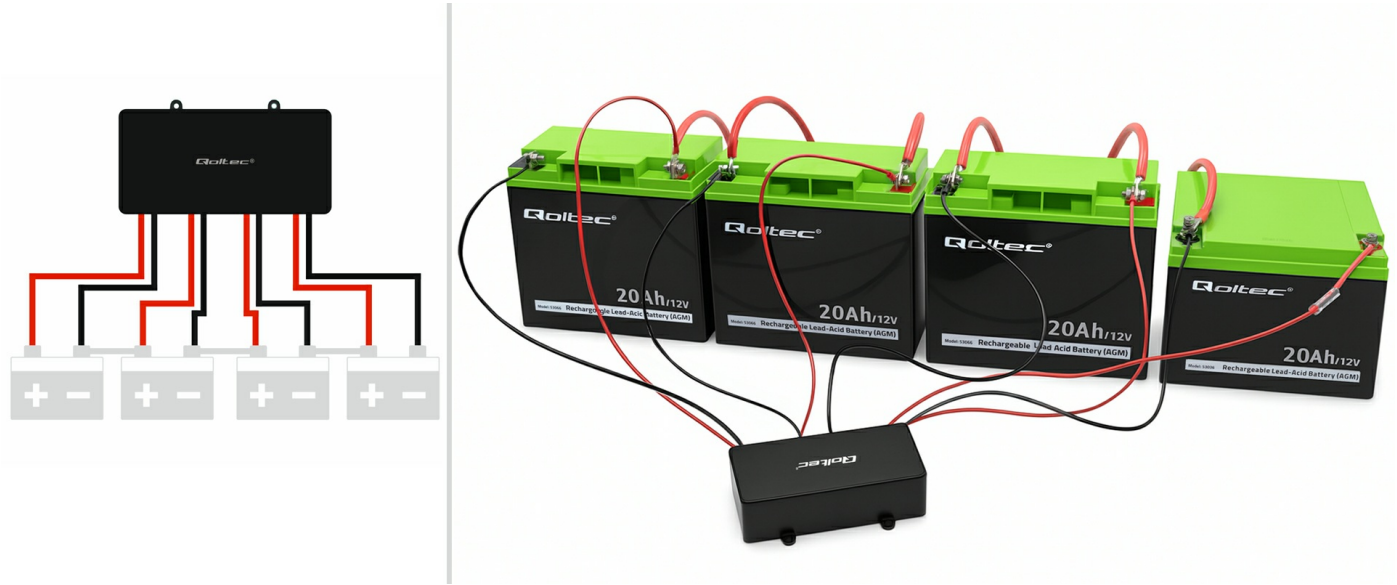
Reliable compact device to support long and trouble-free operation of 12V battery packs
Automatically compensates for differences in battery voltage, protects against damage and increases battery life ensuring stable and safe operation of 48V installations – All this in a compact, fireproof housing, 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 48V systems**
- **Maximum equalization current: 10A**
- **Built-in reverse polarity protection**
- 16AWG 50CM connection cable with M8 ring - ready for immediate installation
- Support: 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 48V. Connecting the balancer is simple **- just connect the black wire to the minus, red to the plus of the entire 48V 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 48V SYSTEM - UNIVERSAL APPLICATION, WIDE COMPATIBILITY

For camper, yacht, photovoltaic **-** Compatible with AGM, GEL, LiFePO4, NCM and LTO batteries

The 48V 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	4x (2.4V/3.6V/6V/9V/12V)
Maximum input current	10A (from one of the batteries)
Operating current	0 – 10A DC
Battery capacity	20Ah – 200Ah
Load Adjustment	Automatic
Connector	16AWG 50CM extension cable with M8 ring
Protection	Protection against reverse polarity
Functions	Voltage equalization between series-connected 12V batteries in a 48V installation
Usage	Suitable for lead-acid (VRLA), lithium-iron-phosphate (LFP), nickel-cadmium (Ni/CD) and nickel-metal hydride (Ni/MH) batteries
Additional information	It starts working when the voltage exceeds 2.4V, which means it can be used in the range of single cells from 2.4V to 12V
OTHER PARAMETERS	
Colour	Black
Material	ABS
Operating temperature	-20°C ~ +60°C
Dimensions (D/L x W x H)	62 x 124 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]	180
Package height [mm]	40
Net weight [kg]	0.316
Gross weight [kg]	0.364
Certificate	CE
Warranty	24 month
EAN code	5901878510989