

PRODUKT MANUAL

BALANSER AKU PROTECT 24V

Equalizer/Balanser
for
Gel/Flood/AGM Lead
Acid Batteries



VOLT
POLSKA

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BALANSERA AKU PROTECT 24V is used for the 12V lead-acid batteries which are connected in series to keep battery voltage balance (Gel/Flood/AGM lead acid batteries all are ok.)

When two or more in-series connected batteries are in charging/discharging/free status. The battery voltages may become different. One battery voltage is high and one is low.

The battery equalizer BALANSER AKU PROTECT 24V will equalize/balance the battery voltage when it detects there are 20mV between two batteries. It will shunt current from one battery (the higher voltage one) to the other battery (the lower voltage one). Until their battery voltage almost becomes the same. This will improve battery performance and extend battery's life time.

Battery equalizer can be used for **24V, 36V, 48V and any other N*12V battery system.**

- 1 piece for 24V system
- 2 pieces for 36V system
- 3 pieces for 48V system

Technical data:

| | |
|-------------------------|-----------------------------|
| Battery nominal voltage | 2*12V |
| Optimizing current | 0-5A |
| Quiescent current | <3mA |
| Dimensions | 70*70*27 mm |
| Protection | Reverse polarity protection |
| Low Voltage Disconnect | 10V |

LED Indicator:

| | LED A | LED B |
|--------------|-------|-------|
| $U(A)=U(B)$ | Off | Off |
| $U(A)>U(B)$ | Flash | Off |
| $U(A)<U(B)$ | Off | Flash |
| $U(A)<10V$ | On | Off |
| $U(B)<10V$ | Off | On |
| $U(A/B)<10V$ | On | On |

Installation:

Please connect the battery equalizer to battery as follows: (Please check the pictures)

1. Red cable: Battery B positive/+ pole
2. Black cable: Battery A negative/- pole
3. White cable: Battery B negative pole or Battery A positive pole. (The pole which connected Battery A and Battery B in series)

Figure 2: 24V battery bank of 4 batteries

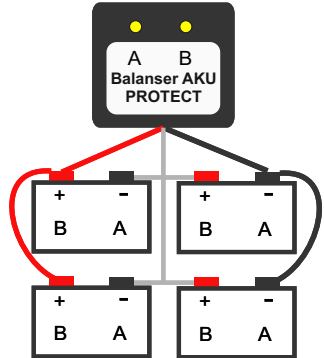


Figure 1: 24V battery bank of 2

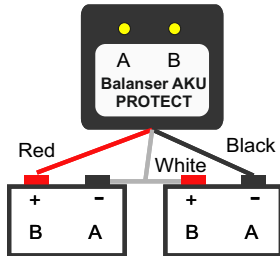


Figure 3: 36V battery

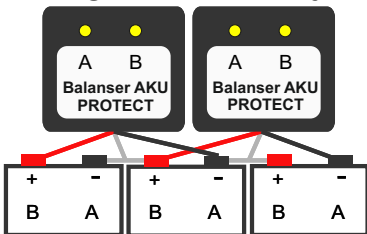
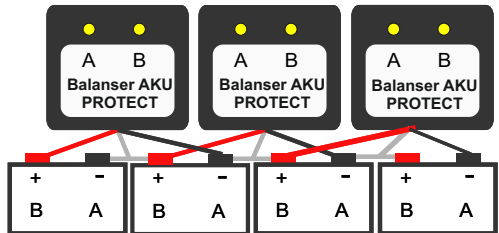


Figure 4: 48V battery



WARRANTY CARD

| | |
|---------------------------|--|
| DATE OF PURCHASE | |
| SHIPPING ADDRESS | |
| SIGNATURE / STAMP | |
| DAMAGE DESCRIPTION | |
| SERVICE COMMENTS | |

FILL IN IF NEEDED

(*) Cross incorrect

I agree to pay the cost of inverter repair due to:

* expiration of the warranty period / * warranty void

Before proceeding with the repair, service will inform by phone about the exact costs of the repair.

Please attach a copy of the purchase document (receipt or invoice) to the complaint.

The full regulations of service repairs can be found on our website www.voltpolska.pl

