PRODUKT MANUAL

BALANSER AKU PROTECT 24V

Equalizer/Balanser
for
AGM, GEL, LiFePO4
batteries



VOLT POLSKA

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BALANSER AKU PROTECT 24V is used for the 12V lead-acid batterie which are connected in series to keep battery voltage balance. It is dedicated to AGM, GEL, LiFePO4 batteries.

When two or more in-series connected batteries are in charging/discharging/free status. The battery voltages maybe 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 detect 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 same. This will improve battery's performance and extent 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
Low Voltage Disconnect	10V
Protection	Reverse polarity protection
Dimensions	70x70x27mm
Weight	200g

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 1: 24V battery bank of 2

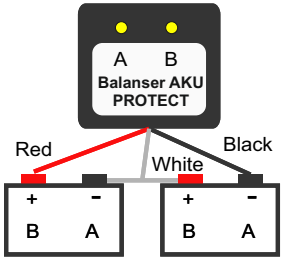


Figure 2: 24V battery bank of 4 batteries

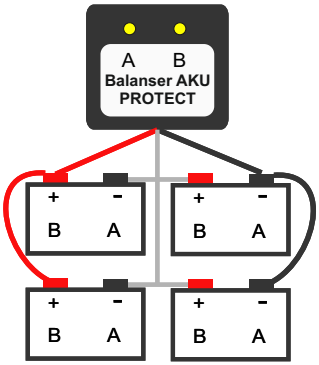


Figure 3: 36V battery

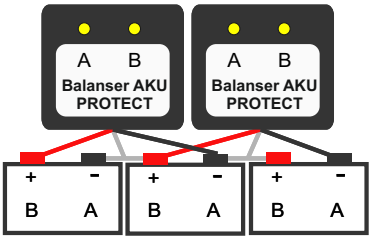
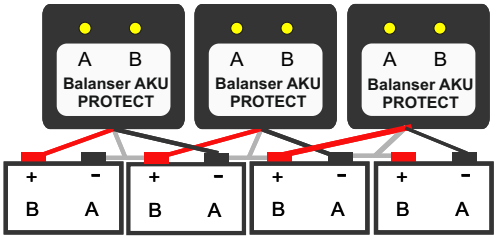


Figure 4: 48V battery

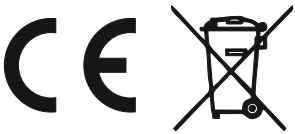


WARRANTY CARD

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

FILL IN IF NEEDEED
(*) 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



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