

BATTERY BALANCER - BAT-ACC-BALANCER-2B-ES

The 24-volt battery equaliser is for use with lead-acid batteries, which are connected in series. It is designed to keep battery voltage across the string balance.

When two or more batteries are connected in series, during charging and discharging the battery voltages maybe become different. One battery's voltage may be higher than the other.

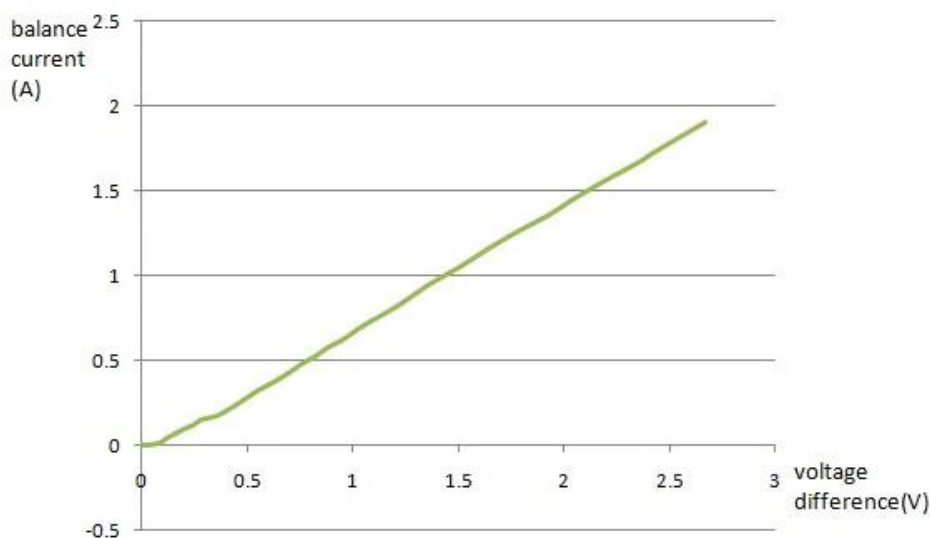
The battery equalizer will equalise/balance the battery voltage when it detects there are >20mV between two batteries. It will shunt current from one battery (the higher voltage) to the other battery (the lower voltage). It will do this until the battery voltage across the batteries equalises. This will improve the batteries performance and lifetime

The battery equalizer can be used for 24V, 36V, 48V and any other N*12V battery system. However, we have a dedicated 24V and 48V unit to make installation more straight-forward

- 1 piece for 24V system; - BAT-ACC-BALANCER-2B-ES
- 2 pieces for 36V system; - 2 X BAT-ACC-BALANCER-2B-ES
- 1 (different) pieces for 48V system; - BAT-ACC-BALANCER-4B-ES – see dedicated spec sheet

TECHNICAL DATA

Battery nominal voltage /	2*12V
Optimizing current /	0-5A(balance current based on batteries voltage difference)
Quiescent current	<3mA
Size	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
$U(A)$	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)

