

BLC-Box (30058)



Product characteristics

- Different loading of two batteries that are switched in series in a 24 V battery system (e.g. due to auxiliary equipment) or a different internal resistance (due to temperature differences, for example) can lead to one of the two 12 V batteries being faulty earlier. The battery charging and compensating box allows you to exactly balance charging of two 12 V vehicle batteries in a 24 V battery system. The continuous compensation process ensures a long service life for the battery.
- The battery charging and compensating box can compensate different loading between the batteries of up to 3 A.
- At rest, the battery charging and compensating box consumes a very small amount of current (the no-load current is around 0.9 mA). The benefits: You do not need to install additional (24 V to 12 V) current converters that use a large amount of current!

Intended use

The battery charging and compensating box is intended to be used exclusively to exactly balance charging of two 12 V vehicle batteries in a 24 V battery system.

Technical data

Mains voltage(s)/type of current	2 × 12 V DC in-series (24 V)
Current consumption	3 A max.
Degree of protection	IP56
Ambient temperature	-40 °C / +85 °C
Degree of effectiveness	~85 %
No-load current	0.9 mA
Operating current	0 – 3 A
Protection against polarity reversal	Yes
Short circuit-protection	Yes
Load disconnection	via relay
Dimensions (L x W x H)	115 × 60 × 35 mm
Weight	0.247 kg approx.
Item number	30058

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