AKU PROTECT 48 battery pack balancer 48V DC

REGULAR RANGE

PRODUCT CODE
6AEQ48V001

EAN
5903293765432

CATEGORY
Battery chargers and accessories

SUBCATEGORY
AKU PROTECT battery balancers (for series connection)

PRODUCT PAGE
voltpolska.pl/produkty/balanser-aku-protect-48v



ABOUT THE PRODUCT

AKU PROTECT 48 is a balancer designed for 48V DC battery packs connected in series. The device equalises the voltage of individual batteries during charging and discharging, reducing the risk of overloading one battery and undercharging the others.

The balancer transfers current from the battery with the higher voltage to the battery with the lower voltage until balance is reached. It starts operating at a voltage difference of 10 mV and can be permanently connected to the system, providing automatic energy-balancing control without the need for manual adjustment.

AKU PROTECT 48 can operate with lead-acid AGM and gel batteries, as well as LiFePO4 batteries. Four batteries can be connected to one device. If fewer than four are used, the unused wire does not affect the operation of the balancer. The device operates with batteries connected in series and in parallel.

The rated battery voltage is 4 x (2,4 V / 3,6 V / 6 V / 9 V / 12 V), and the optimum (balancing) current is in the range of 0–10 A. The balancer is equipped with reverse-polarity protection and low-voltage protection 1,8 V. The device dimensions are 62 x 124 x 27 mm, and its net weight is 400 g.

TECHNICAL SPECIFICATIONS

Electrical specifications	**Rated battery voltage**	4 x (2,4 V / 3,6 V / 6 V / 9 V / 12 V)
	Optimum (balancing) current	0 - 10 A
	Standby current	5 mA (for 12 V) / 1,2 mA (for 2,4 V)
Protection	**Low-voltage protection**	1,8 V
	Protection types	Reverse-polarity protection
Dimensions and weight	**Device dimensions**	62 x 124 x 27 mm
	Net weight	400 g

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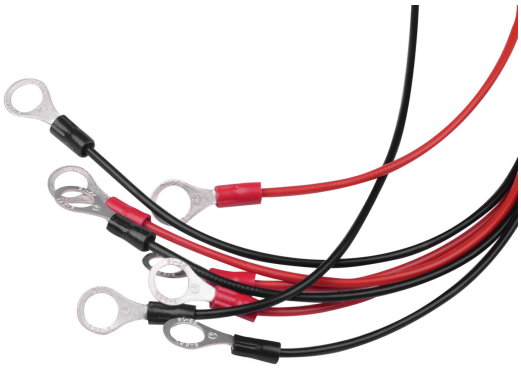
PRODUCT GALLERY





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