

Battery control unit



- **Longer battery life time**
- **Can be used for modules from 4 to 12V**
- **High equalizing current**
- **Highly accurate voltage regulation**
- **Higher reliability of the batteries**
- **Low power consumption**

The battery controller ABC-2 will give every battery that is connected in series exactly the right float voltage, this will result in extended battery lifetime. It will also be possible to exchange modules within the battery without changing the whole battery, which will save money.

It is a well known fact that the float voltage is essential for the battery life time and capacity. ABC-2 will guarantee that every single module has exactly the right float voltage which will increase the lifetime of the complete battery. This will also give higher reliability of the battery system.

Every battery is an individual where the need for charging current will varies over time. In a battery chain that are connected in series all modules is forced to take the same float current, which will cause some modules to be over charged and some modules to be under charged.

ABC-2 ensures that every single module have exactly the right charge current which will give longer battery lifetime and higher reliability.

TYPE LISTING

Type	ABC-2
Mat.-No.	12-50-A528
Category	Battery control system

GENERAL DATA

Max. equalizing current:	1,0A
Battery block voltage	4, 6 and 12V

ENVIRONMENT

Ambient temperature	Operation: -10°C to +40°C Storage: -30°C to +50°C
Climatic conditions	IEC 721-3-3 class 3K3/3Z1/3B1/3C2/3S2/3M2
Humidity class	F
Altitude	≤ 2000 m a.s.l.,
Audible noise	< 30 dB (A) in 1 m distance



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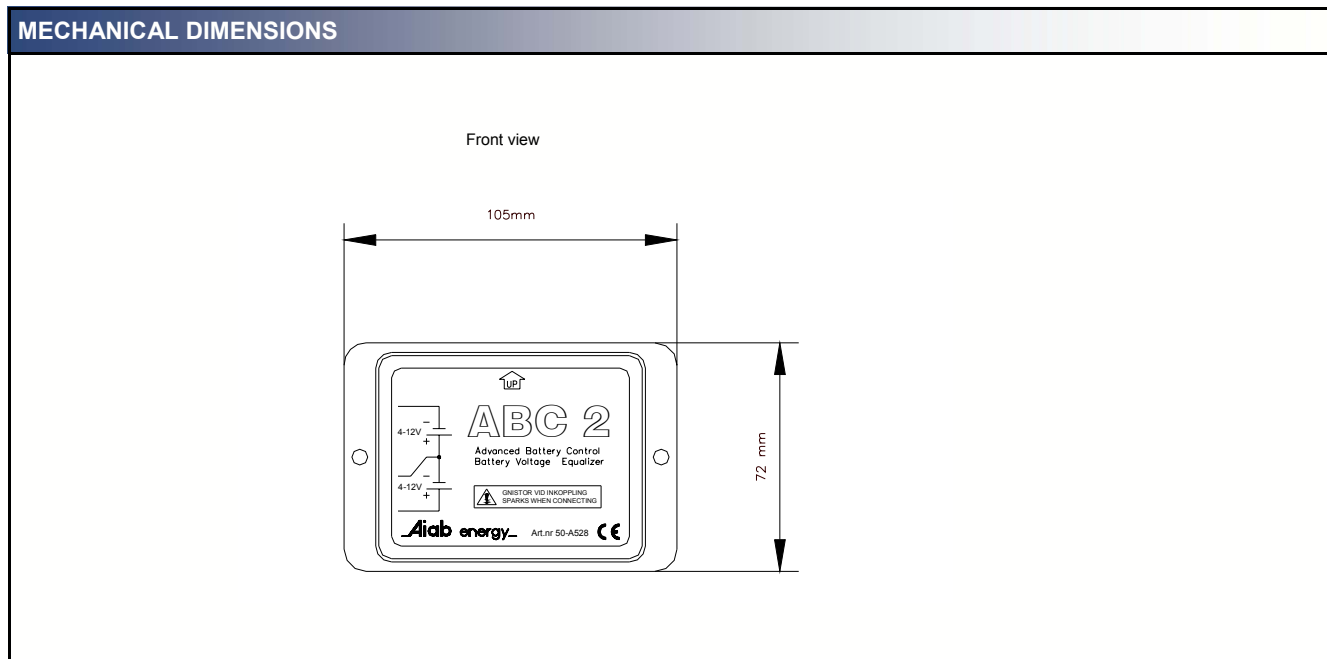
MECHANICAL CONSTRUCTION	
Construction	Plastic box with screw mounting
Dimensions W/H/D (mm)	05/70/30
Weight	appr. 0,2 kg
Protection class	IP21 (mech.); 1 acc. to EN 60950 (electr.)
Surface	ABS Plastic

COMPLIANCES	
Certification	CE-mark
Safety	EN 60950; VDE 0100 part 410; VDE 0110, EN 50178, EN 60146
EMC	EN 55022 class „B“, EN 61000-4 part 2-5



48V Battery system fitted with ABC-2.

For each battery system there will be one ABC-2 less needed than the number of modules



Additional Information

Full information, drawings, manuals and application notes and advice to any of the wide range of CP Kontakt AB's products are available on request.

CP Kontakt AB reserve the right to change the specification, product design and parameters at any time, without notice.

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