



User manual for the:

Argo battery isolators

This user manual describes the following models:

Model	Maximum current	number of batteries	R contact
Argo 70A2	70 A	2	
Argo 70A2-4	70 A	2	x
Argo 70A3	70 A	3	
Argo 120A2	120 A	2	
Argo 120A2-4	120 A	2	x
Argo 120A3	120 A	3	
Argo 120A3-4	120 A	3	x
Argo 160A2	160 A	2	

In the above table the Argo model and its characteristics are mentioned:

- The **maximum current** of the battery isolator. For example: If a charger or an alternator of 60 Amps is used, the maximum current of the battery isolator has to be 70 Amps. Always select a battery isolator with a higher maximum current than the maximum current of the charger or alternator
- The **number of batteries** that can be connected to the battery isolator.
- **R-contact** means that the battery isolator is equipped with a compensation diode. This contact can only be used with an alternator. When this contact is connected the voltage losses, caused by the battery isolator, are compensated.

Connecting instruction: (see figure 1)

1. Check if the charger is switched off.
2. Mount the Argo battery isolator as close as possible to the charger, on a location where the air can circulate.
3. Connect the plus of the first battery to connection "1" of the Argo battery isolator.
4. Connect the plus of the second battery to connection "2" of the Argo battery isolator.
5. If the battery isolator has 3 battery connections: connect the plus of the third battery to connection "3" of the Argo battery isolator.
6. Connect the plus of the battery charger to connection "A" of the battery isolator.
7. Connect the minus of the batteries to the minus of the charger.

Connection diagram:

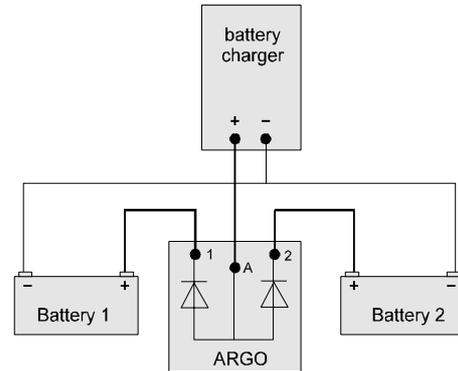


Figure 1

Use of the Argo with an alternator:

An alternator can be used instead of a charger. Follow the same connecting instruction but read "alternator" instead of "charger".

Use of Argo with a R-contact: (see figure 2)

Attention: the R-contact can only be used when an alternator is connected to the battery isolator.

Operation:

Diode A and B cause the battery voltage to drop approximately 0.8V. By connecting the voltage regulator to the compensation diode C, the voltage regulator voltage also drops. Therefore the voltage regulator will increase the alternator voltage so the voltage drop over diode A and B is compensated.

Connecting:

When your Argo battery has a R-contact follow the same connecting instruction but add the following:

7. Connect the voltage regulator to the R-contact on the battery isolator.

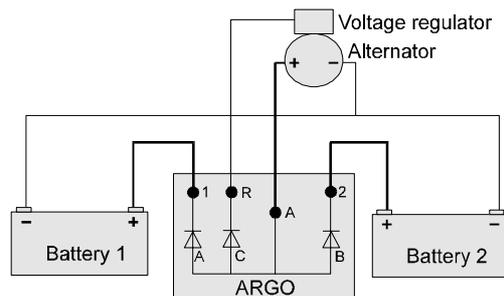


Figure 2