



ARGO FET Battery Isolators: no voltage loss

Similarly to diode battery isolators, FET isolators allow simultaneous charging of two or more batteries from one alternator (or a single output battery charger), without connecting the batteries together. Discharging the accessory battery for example will not result in also discharging the starter battery.

In contrast with diode battery isolators, FET isolators have virtually no voltage loss. Voltage drop is less than 0,02 Volt at low current and averages 0,1 Volt at higher currents.

When using ARGO FET Battery Isolators, there is no need to also increase the output voltage of the alternator. Care should taken however to keep cable lengths short and of sufficient cross section.

When a current of 100 A flows through a cable of 50 mm² cross section (AWG 0) and 10 m length (30 ft), the voltage drop over the cable will be 0,26 Volt. Similarly a current of 50 A through a cable of 10 mm² cross section (AWG 7) and 5 m length (15 ft) will result in a voltage drop of 0,35 Volt!

Argo FET Battery Isolator	1002-FET	1003-FET	2002-FET	2003-FET
Maximum charge current (A)	100	100	200	200
Maximum alternator current (A)	100	100	200	200
Number of batteries	2	3	2	3
Connection	M8 Studs	M8 Studs	M8 Studs	M8 Studs
Weight kg (lbs)	1,2 (2.6)	1,2 (2.6)	1,2 (2.6)	1,2 (2.6)
Dimensions h x w x d in mm (h x w x d in inches)	60 x 120 x 150 (2.4 x 4.7 x 6.0)	60 x 120 x 150 (2.4 x 4.7 x 6.0)	60 x 120 x 150 (2.4 x 4.7 x 6.0)	60 x 120 x 150 (2.4 x 4.7 x 6.0)

