

Alternator to Battery Chargers

80A-400A (at 12V) 60A-200A (at 24V)

The Alternator to Battery charger (A2B) connects very simply to an existing alternator(s) and provides extremely fast and effective charge to the domestic/house bank (5+ times faster than a stand alone alternator). The A2B achieves this performance by pulling down the voltage on the alternator by putting a 'load' on it. This low voltage (at high current) is amplified to a 4 stage charging profile at the domestic bank. Due to the A2B's internal splitting system there is the option to charge the starter battery too. The starter does not get advanced charging, it simply gets a sufficient maintenance charge.

Quick and Easy Installation. This charger is effective, simple and fast to install. It transforms the output of the alternator into a sophisticated multi-stage charger resulting in faster and more complete charging of your house / domestic battery bank.

Starter bank and domestic bank charger. This charger has an intelligent integral splitting system. The output is split to the starter bank and to the domestic / house bank. Domestic receives advanced charging.

Multiple alternator inputs. Numerous alternators can be fed to the input of the charger provided the total current rating does not exceed the charger's rating. E.g. 400A charger can handle 4 x 100A alternators.



Largest model
up to 400A (at 12V),
200A (at 24V).

Over 5 times faster charging. This charger optimizes the available output of the alternator and converts it to mimic that of a mains driven 4 stage battery charger. Consequently your batteries will charge faster resulting in less engine hours and a reduction in fuel used. This charger can therefore, pay for itself within a matter of weeks.

No alternator modification required. The charger is fitted between the alternator and battery(s) and, unlike conventional regulators, requires no modification or interference with the alternator whatsoever. This saves on time and bypasses any engine management systems (ECU) or warranty issues.

Not suitable for any modern European vehicle or any vehicle equipped with an advanced ECU. For suitable products - look to the range of Regenerative Braking, Friendly devices – the Battery to Battery Charger.

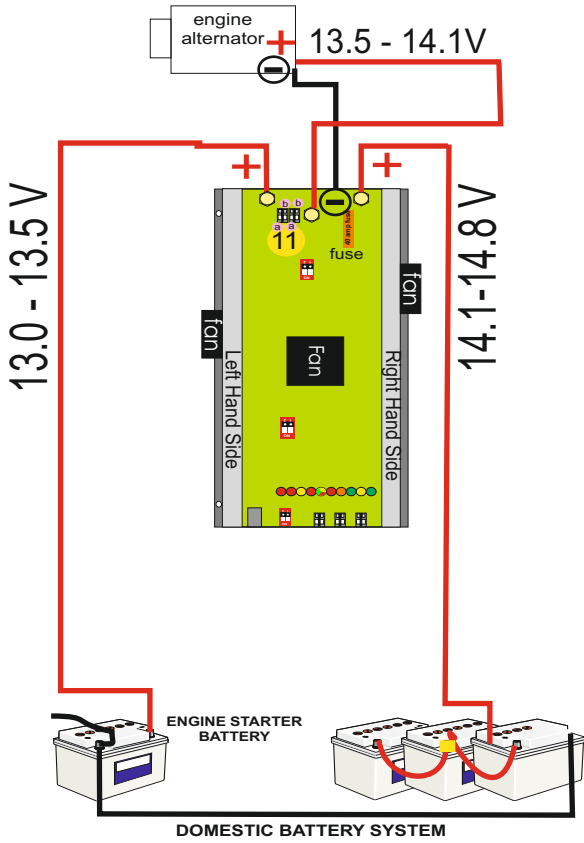
Smallest model
80A - 130A (at 12V).



Battery and alternator temperature sensing. The chargers disengage the unit in the event of the alternator temperature getting too high, it then re-engages the unit when the alternator cools down. The same thing happens when the batteries get too hot.

Multiple charging profiles. Chargers have AGM, Gel, Flooded lead acid, sealed lead acid and calcium charging profiles.

System wiring, single or twin alt (minimum, requirement)



Alternator Regulator or Alternator to Battery Charger?

We are frequently asked this question. For an in depth reason to choose the A2B over the alternator regulator. We recommend that you refer to our FAQ page. Here we shall discuss the main differences, the time it takes to wire up, engine management systems and warranty voiding.

Put simply the Alternator to Battery charger can be more easily and speedily installed, it tends to avoid any engine management issues and shall not void your manufacturers warranty.

Additional features:

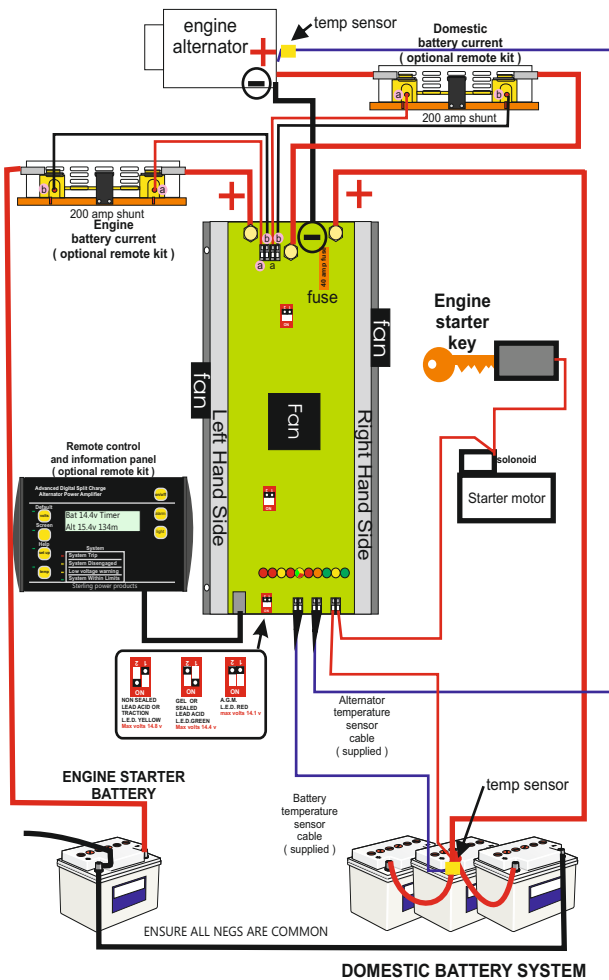
- 1) Battery sensor. When DC cables are long a voltage drop can be induced across it. There is a connector which allows for the compensation of this drop.
- 2) Ignition start. Some alternators require a voltage on the alternator to start up. There is a built in device to overcome this problem in the event of such an alternator type being used.
- 3) The remote control. This offers full set-up information, plus voltages and temperatures of all the relevant places, as per the digital alternator regulator.

Optional Remote control for the AB12160/210/24100.

10m of pre-wired link cable and 2 x 200A shunts. Ideal for measuring current. Can be surface, recess or flush mounted.



Full system wiring single or twin alt (including optional remote kit if used)



Optional Remote control for the AB1280/12130/300/400.

10m of pre-wired link cable. Does not measure current. Can be surface, recess or flush mounted.



Alternator to Battery chargers					
DC (V)	Max Alt size (A)	Size L x W x D mm	Weight	SKU	
12V	80A	270 x 180 x 80	2.5	AB1280	
12V	130A	270 x 180 x 80	2.5	AB12130	
12V	300A	370 x 288 x 70	5.0	AB12300	
12V	400A	370 x 288 x 70	5.1	AB12400	
24V	80A	270 x 180 x 80	2.5	AB2480	
24V	200A	370 x 288 x 70	5.2	AB24200	
Remote for above products in Black (no shunts)					ABNRC
12V	160A	250 x 280 x 70	3.5	AB12160	
12V	210A	250 x 280 x 70	3.5	AB12210	
24V	100A	250 x 280 x 70	3.5	AB24100	
Remote for above products in Red inc 2 x 200A shunts					ABRC