



# ProAlt

Alternator to Battery Charger (AtoB)  
with integral 2-way split charge



## Give your alternator a **boost**

**ProAlt AtoB** is a simple and quick to install device that transforms the output of your alternator into a sophisticated multi stage battery charger resulting in faster and more complete charging of your battery bank.

Problems with a lack of charge in batteries are often tackled by throwing in another battery or two. In practice, however, this is likely to make things worse where the problem is probably down to an under-performing alternator. As they come, alternators are not good at charging batteries. In fact, they are very bad at charging batteries. To charge batteries quickly and fully requires a sophisticated characteristic that the regulator in a standard alternator does not provide.

**ProAlt AtoB** is fitted between the alternator and the battery and, unlike conventional alternator boosters, requires no modification to or interference with the alternator whatsoever. **ProAlt AtoB** optimises the available output of the alternator (that varies with engine speed) and converts the output to mimic that of a mains powered multi stage battery charger. Integral split charge facility means that you can connect your start and auxiliary battery banks to the unit without the need for additional equipment. In the event of a problem the start battery remains connected to the alternator so the boat or vehicle is not immobilised.



◀ **AB1290**



◀ **AB12210**

### **Principle features:**

- ▶ Quick and easy installation
- ▶ Integral split charge facility
- ▶ No alternator modification required
- ▶ Multiple alternator input possible
- ▶ Models rated up to 210A
- ▶ Battery and alternator temperature sensing
- ▶ Battery type selectable
- ▶ Start battery fail to safe
- ▶ Remote panel option
- ▶ Up to 5 times faster and 100% more charge.

The result is significant. An improvement of up to 5 times in terms of charge time and as much as twice the amount of usable energy stored in the battery due to achieving full capacity – equivalent to the theoretical effect of doubling battery capacity! It is possible to connect more than one alternator to a standard unit so, where there is a second alternator fitted, all the available power of both alternators can be utilised with the possibility of further improvement in charge performance.

**ProAlt AtoB** is compatible with any type of alternator and all electrical systems. And, as there is no requirement to modify the alternator, there are no warranty issues to be concerned with. The system is fully compatible with Canbus and modern ECU's so can be used with all makes and models of boat or vehicle.

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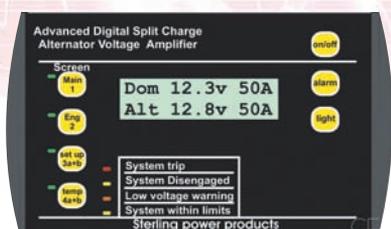
# ProAlt

## Alternator to Battery Charger (AtoB) with integral 2-way split charge

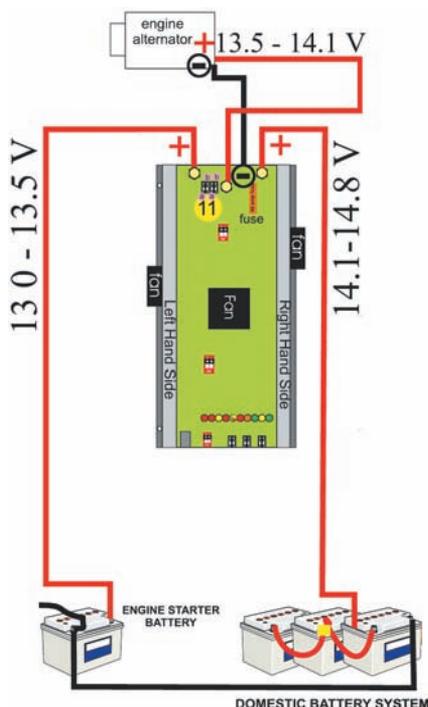


A remote control kit is available as an optional extra that allows monitoring of charge performance, status indication and adjustment of charge parameters. The kit includes a panel, 10m of pre-wired cable and two shunts (for alternator current and domestic battery current).

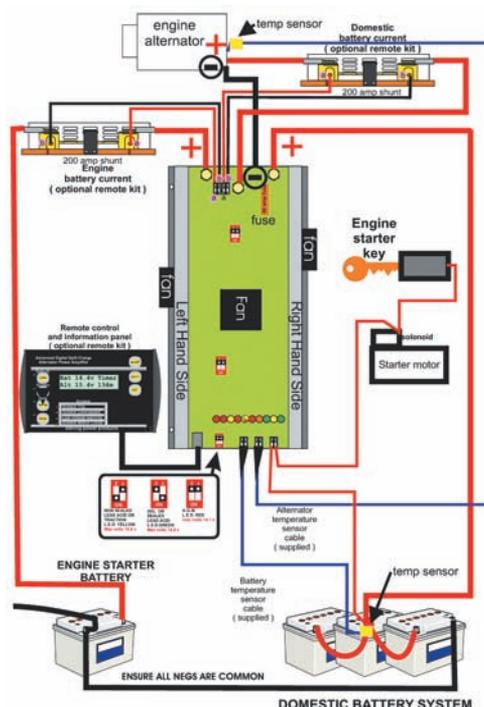
Alt. Volts	Max Alt. Amps	Unit Size (mm)	Unit Weight (kg)	Sterling Part Nos.
12v	90A	250 x 180 x 70	2.5	AB1290
12v	160A	250 x 280 x 70	3.5	AB12160
12v	210A	250 x 280 x 70	3.5	AB12210
24v	60A	250 x 280 x 70	3.5	AB2460
24v	100A	250 x 280 x 70	3.5	AB24100
24v	150A	250 x 280 x 70	3.5	AB24150
24v	200A	250 x 280 x 70	3.5	AB24200
REMOTE		inc 2 x 200A shunts plus 10m cable		ABRC



### System Wiring (Minimum requirement)



### System Wiring (Maximum requirement)



# STERLING POWER

[www.sterling-power.com](http://www.sterling-power.com)

Registered office:  
**Sterling Power Products Limited**  
Site 8 Wassage Way  
Hampton Lovett Industrial Estate  
Droitwich WR9 0NX

Tel: +44 (0) 1905 771 771  
Fax: +44 (0) 1905 779 434  
Email: [help@sterling-power.com](mailto:help@sterling-power.com)

**Distributor:**