



ProBatt C

Battery to Battery Chargers

STERLING POWER



4 stage charging, battery to battery

12v to 24v

24v to 12v

12v to 12v

24v to 24v

12v to 36v

24v to 36v

Why wait to arrive at your destination to plug in your battery charger? With the Sterling **ProBatt C** you can charge a 12V / 24V battery bank from another 12V / 24V / 36V battery. Installation could not be simpler, simply plug the device between two batteries (e.g. starter and auxiliary).

This on-board solution is able to provide a calculated 4 step charging profile to your batteries **without being plugged into shore power**. The **ProBatt C** fools the alternator into working at maximum potential. The surplus power (power left over after charging the primary battery) is converted into a higher voltage and is used to **charge your auxiliary battery bank faster (dependant on alternator, typically 5 times faster) than using just a standard alternator!**

As the **ProBatt C** does not connect to the alternator there are no ECU nor warranty issues as there is no voltage rise on the engine management system.

Ideal applications:

- Petrol starter battery to auxiliary (12V – 12V)
- Diesel starter battery to auxiliary (24V – 12V)
- Petrol starter battery to bow thruster (12V–24V)

Principle Features:

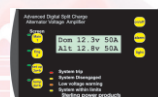
- ✓ Quick and easy installation
- ✓ 4 stage battery charging
- ✓ Charges aux batteries while on the move
- ✓ Recovers batteries 5 times faster than alt.
- ✓ Can charge: GEL, AGM or Flooded LA
- ✓ Some models are fully waterproof
- ✓ Battery type selectable
- ✓ Upto 5 times faster and 100% more charge
- ✓ Remote panel optional



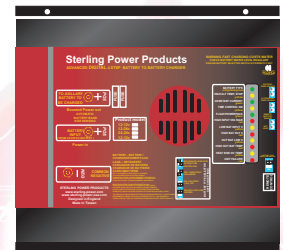
plastic moulding



REMOTE CONTROL (OPTION)



REMOTE CONTROL (OPTION)



aluminium housing

Battery to Battery chargers							
D/C Input voltage	D/C output voltage	Amps in	waterproof	size L x W x D	weight Kg	Part nos.	
12	12	50	no	200 x 270 x 70	3	BB1245	
12	12	100	no	190 x 100 x 70	1.5	BB12100	
24	24	30	no	200 x 270 x 70	3	BB2430	
24	24	60	no	190 x 100 x 70	2	BB2460	
Remote control for items in blue				110 x 68 x 20		BBRCN	
12	24	50	no	200 x 270 x 70	3	BB122450	
24	12	25	no	200 x 270 x 70	3	BB241225	
Remote control for items in red							

NEW

inc. 2 meters of pre-wired cables with fuses



Pro Charge B

IP68 WATERPROOF and SALTWATER PROOF

Waterproof Battery to Battery chargers							
D/C Input voltage	D/C output voltage	Amps in	Water proof	Size L x W x D	Weight	Part nos	
12	12	30	yes	230 x 135 x 65	3	BBW1220	
12	24	30	yes	230 x 135 x 65	3	BBW1224	
12	36	25	yes	230 x 135 x 65	3	BBW1236	
No remote control for the above							

Waterproof battery to battery charger IP68

Shares the features of a standard B2B with the addition of full waterproofing. IP68 refers to:

6 refers to fully dustproof, no dust ingress.

8 refers to fully immersible in water (beyond 1m)

IP68 is the highest / best proofing specification.

Refer to the international electrotechnical commission for IP code information

Visit the Sterling website for the latest products and news www.sterling-power.com

Pro Batt C

NEW



Specifications



This next generation **compact** model incorporates both IP68 (full waterproof) and the ability to accept high input current (up to 90A). To keep the device cool an external fan is fitted which cools the heat sink. If the external fan is destroyed they are cheap and easy to replace.

The unit is magnetically controlled allowing the programmer to simply select 1 of 6 battery types to ensure you can charge the battery bank correctly (AGM, Gel, sealed lead acid, open lead acid, calcium, and LiFePO₄ (lithium)).

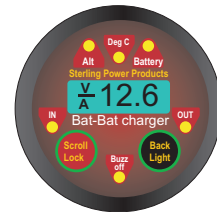
A unique option on the 16A battery to battery version is the ability to remove the internal input voltage control regulation, this allows the unit to operate at much lower input voltages enabling a lot more power to be drawn down longer cable lengths. (Ideal for caravanners).

- Next generation additional features:**
- ✓ Encapsulated electronics
 - ✓ Thermostatically controlled - fan cooled
 - ✓ Smaller footprint
 - ✓ Fan cheap and easily replaced under failure

IP68
Electronics
Fan not IP68



New model, not just a booster but a reducer as well. This gives full charge control regardless of alternator voltage.



Available early 2012

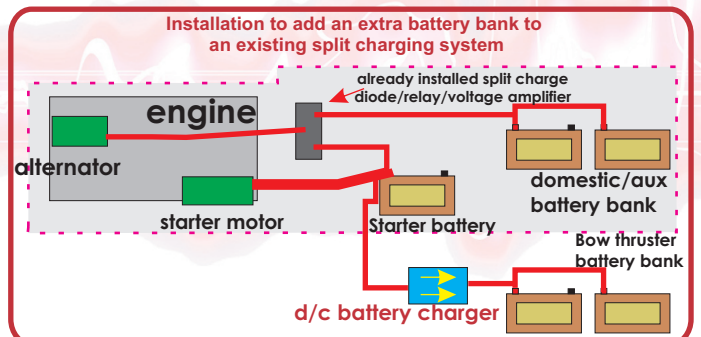
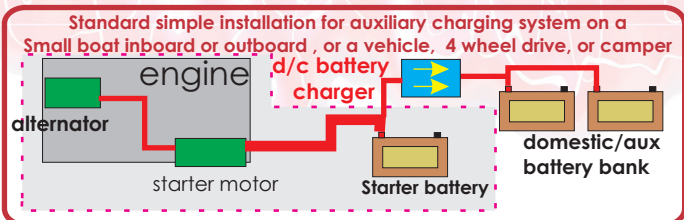
Remote control: diameter 52mm (optional extra)

Remote control functions

- 1) Input voltage from battery
- 2) Output voltage to battery
- 3) Input current to battery
- 3) Waterproof display, encapsulated electronics
- 4) Screen colour change for alarm/charge/ok state
- 5) Battery and alternator temp reading
- 6) Buzzer alarm and override function
- 7) Information scroll option
- 8) Back light option
- 9) Little power consumption when on sleep

Next generation Battery to Battery chargers						
D/C Input voltage	D/C output voltage	Amps in	Waterproof	Size L x W x D	Weight Kg	Part nos
12	12	16	yes	145 x 110 x 120	3	BBW1216
12	12	30	yes	145 x 110 x 120	3	BBW1230
12	12	60	yes	145 x 110 x 120	3	BBW1260
12	12	90	yes	TBA		BBW1290
12	24	60	yes	145 x 110 x 120	3	BBW122450
Remote control				110 x 68 x 20		BBRCN

Simple wiring diagrams.



STERLING POWER

www.sterling-power.com

Unit 8
Wassage Way
Hampton Lovett Ind Est
Drotwich
WR9 0NX
Tel: 01905 771771
Fax: 01905 779434
e mail: help@sterling-power.com
web: www.sterling-power.com
www.sterling-power-usa.com

