NEW

Battery to Battery Chargers
Non Waterproof (Drip Proof IP21)

12V 24V 36V 48V
30-80A Input Models

Sterling's range of Battery to Battery Chargers (B2Bs) has grown significantly over the past few years. Offering a product range in this market un surpassed by anyone in both power and flexibility. This is in an effort to supplement the ever growing demand from the commercial vehicle, recreational vehicle and marine industries. The B2Bs have become extremely popular as they fast charge batteries as you cruise along without the need for complex wiring, touching your alternator, voiding the alternator's warranty and tampering with the electronic control units (ECUs). You can provide the onboard batteries with a fast 4 stage charging profile with a very simple and speedy installation. All of the benefits of advanced charging without any of the draw backs. Simply connect the B2B between the battery being charged and the battery you wish to charge.

Read about regenerative braking and the test that Sterling did. **Page 17.**

Regenerative Braking Friendly R.B.F

3 activation modes:

1) Automatic - Default, operates on input voltage (13.3V / 26.6V on) and complements regenerative braking with low voltage timer. No ignition feed required.

2) Ignition feed with timer. As above, however, requires a live ignition feed to operate. Input voltage figures and timings, as above.

3) Ignition feed without timer. As above, however, the timer does not kick in, so it can potentially stay on indefinitely provided input voltage stays above a certain low threshold.

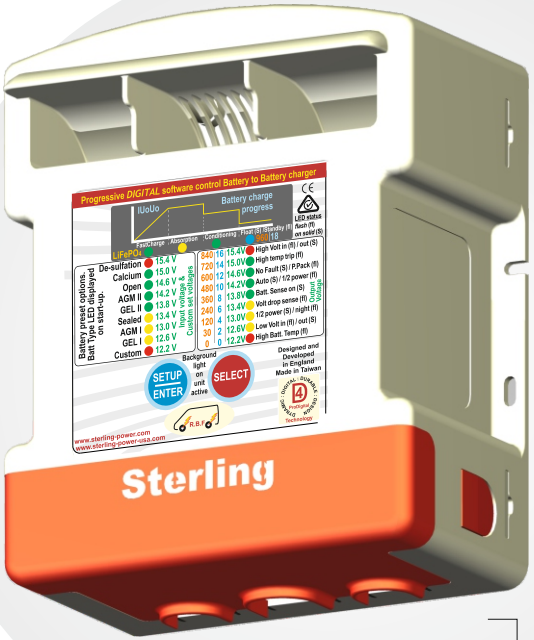
E13

E marked. Suitable for OEM fitting.

The default mode, which is Automatic Regenerative Braking Friendly, does not require an ignition feed to operate. It works on input voltage and timing algorithms (These values can be customised on the unit). This is ideal for most setups as ignition feeds are getting increasingly hard to find on modern vehicles, this new unit is therefore simple to install.

Very simple to install. No Electronic Control Unit (ECU) issues. No complex wiring. No Warranty issues. Fully prepared for smart alternators (**Regenerative braking**).

4 stage battery charging. The B2B charges batteries between 5-20 times faster than a stand alone alternator.



9 preset battery chemistry options including AGM, LiFePO4, Gel, flooded and sealed lead acid.

Customizable profile - choose your your own charging profile on the front panel.

Output charging at **12V, 24V, 36V and 48V**. Input voltages at **12V and 24V**. **Up to 800W rating**. Much larger model up to 3000W coming soon.

Current is NOT taken from the input battery and given to the output battery except during the low voltage timer for regenerative braking mode. This time frame can be increased in length or brought down to 0 seconds.

B2B turns on at 13.3V and turns off at 13.0V (x2 for 24V). Thus, does not drain input battery. **Regenerative braking mode shall allow the input voltage to drop to 12.2V (x2 for 24V).**

Safety features:
- 100% fire proof plastic box
- no screws to corrode
- thermal power reduction
- multi stage fan cooling

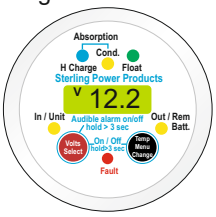
Boost / Reduce Charging. The B2Bs ensure batteries get the correct charging profile irrespective of high or low input voltages.

1 x temperature sensor included for battery

Dynamic thermal charging, the charging voltage fluctuates based on the temperature of the sensor (included ->).

Adjustable current limit. The current limit can be reduced to 50%.

Night time setting allows the unit to run at ½ power so the fan noise is kept down.



Battery to Battery charger built to IP21

DC V (in)	DC V (out)	Current (A)	Weight (Kg)	L x W x D mm	Code
12V	12V	30A input	1.2	190 x 160 x 50	BB1230
12V	12V	60A input	1.4	190 x 160 x 70	BB1260
12V	24V	70A input	1.4	190 x 160 x 70	BB122470
12V	36V	70A input	1.4	190 x 160 x 70	BB123670
12V	48V	70A input	1.4	190 x 160 x 70	BB124870
24V	24V	35A input	1.4	190 x 160 x 70	BB242435
24V	12V	35A input	1.4	190 x 160 x 70	BB241235
12V	12V	120A input			(Check internet)
12V	12V	240A input			(Check internet)
Remote w/ 10m cable					BBURC
German, French, Spanish main label overlay sticker					

Remote Control (Optional)
Displays: Voltage / Warnings / Temperatures.
Can be used as an independent voltmeter measuring input battery voltage and output battery voltage.
Can remotely modify the Batt. the Batt. Charger:
- Force the unit to float
- Force the unit to 1/2 current limit
- Force the unit to standby
- Force the unit off
- Force the unit to Night Mode
- Reset both Remote and Charger

54mm diameter

BLUE EFFICIENCY ® Trademark of *Mercedes Benz*

BLUEMOTION ® Trademark of *Volkswagen*

ecoFLEX ® Trademark of *Vauxhall / Opel*

econetic TECHNOLOGY ® Trademark of *Ford*