



Global Smart Charger

**STERLING
POWER**

Portable battery chargers 110V / 230V



A Global, smart, portable charger

This new micro processor controlled 5A charger can be used anywhere in the world.

With an A/C input range of 100-240V and a frequency input range of 47Hz-64Hz the 400g **Global Smart Charger** is in a class of its own.

The **Global Smart Charger** is suitable for all types of lead acid batteries (WET, GEL, AGM, calcium)

The **Global Smart Charger** has an 8 LED, 3 button, information panel which is both user friendly and informative. It allows the user to toggle between 3 charge modes (small, large batteries and 'cold charge'). It alerts the user of potential defective batteries and repairs them when possible.

The **Global Smart Charger** is ergonomically designed to fit comfortably into the user's hand. This allows operation of the information panel with the user's thumb.



Principle Features:

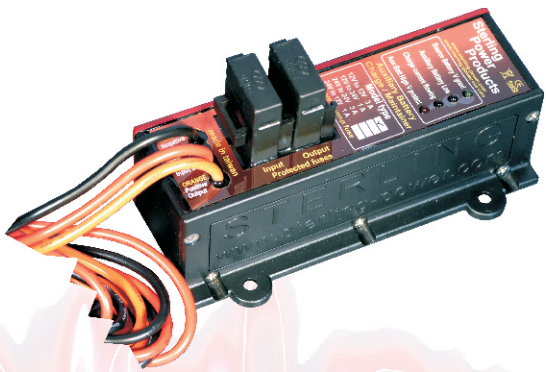
- ✓ Universal A/C input - 100 - 240V
- ✓ **5A at 12V** or **2.5A at 24V**
- ✓ Universal frequency input 47 - 64Hz
- ✓ Provides the latest pulse charging.
- ✓ Has built in de-sulphation ability.
- ✓ Is suitable for all types of lead acid batteries:
Wet, GEL, AGM, calcium
- ✓ Provides multi stage charging - pulse absorption and float charging - allowing unit to be left on continuously.
- ✓ 8 LED information panel with a 3 button control panel.
- ✓ Defective battery alert and battery recovery.
- ✓ 2 interchangeable leads with clamps and eyelet terminals.
- ✓ Electronic reverse polarity protection with LED warning.
- ✓ 40 hours time out to avoid any possible problems.
- ✓ Short circuit protection.
- ✓ Thermal protection.

Global Smart portable battery charger

Plug type	Voltage a/c	Voltage d/c	Amps	Weight kg	Part nos
British	110-230	12	5	0.4	GS125B
Euro	110-230	12	5	0.4	GS125E
USA	110-230	12	5	0.4	GS125A
British	110-230	24	2.5	0.4	GS243B
Euro	110-230	24	2.5	0.4	GS243E
USA	110-230	24	2.5	0.4	GS243A

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Battery Charger / Maintainer



The **Battery Charger / Maintainer** enables an **extra battery bank** to be kept 'topped up' from the **main battery bank** which has the charging device(s) connected to it (e.g. alternator, battery charger, solar cell/wind turbine etc.).

The **Battery Charger / Maintainer** benefits over voltage sensitive relays by being FET based rather than relay based. This FET based device draws less than 1mA under operation. This maximises the power generated from a low charge device, such as a solar cell. Relays also have a limited life cycle due to constant physical contact. FETs are free from contact wear and noise production increasing longevity of the device.

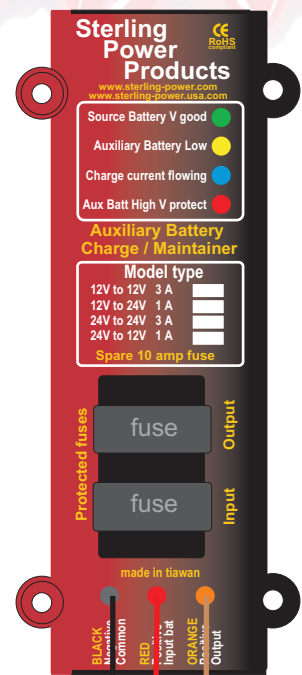
The **Battery Charger / Maintainer** works by detecting when the **main battery bank** reaches 13.3V and allows the excess power to be transformed to the **extra battery bank** with only a minor voltage drop of 0.2V. This allows the extra battery bank to be 'maintained' by charging it with several amps. This device is not a high charging device it's a maintenance device. For higher charging battery to battery devices read Sterling's literature on the **ProBatt C** (battery to battery charger).

Ideal places of use

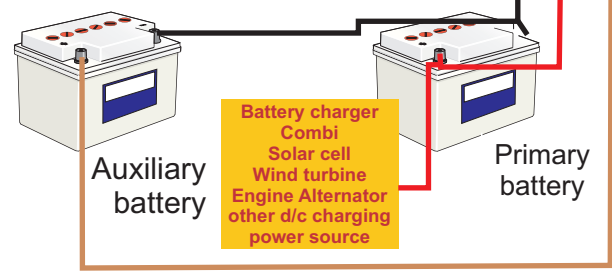
Marine - domestic 12V/24V to generator 12V
 starter 12V/24V to domestic 12V/24V
 starter 12V/24V to bow thruster 24V
The list / combinations are endless

Camper / RV - domestic 12V/24V to starter 12V/24V
 domestic 12V/24V to generator 12V

Solar / Wind top up - sharing surplus power from a solar/wind charged battery to other batteries.



Battery maintainer / charger inc 1 metre of cable					
Input V d/c	Output V d/c	Amps	Size L x W x D mm	Weight kg	Part nos
12	12	3	140 x 45 x 40	0.25	BM12123
12	24	1	140 x 45 x 40	0.25	BM12241
24	24	3	140 x 45 x 40	0.25	BM24241
24	12	1	140 x 45 x 40	0.25	BM24121



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