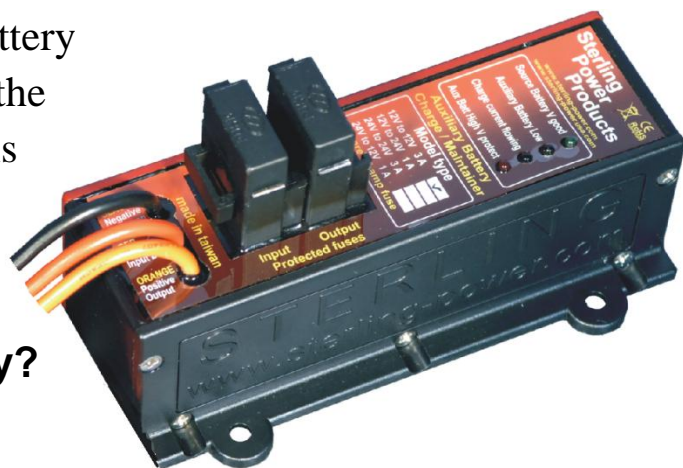




Sterling-Power-USA

Auxiliary battery maintainer with charger- IP65

This Battery Maintainer enables the auxiliary battery bank to remain topped up by using charge from the primary battery (only when the primary battery is connected to a battery charger, wind generator, solar cell, etc).



Why use this product over a standard relay?

- I. The maintainer uses FETs instead of relays.
- II. FETs use very little power compared to relays, only 1.5 mA.
- III. This makes FETs ideal to use with low power charging equipment such as solar/wind.
- IV. FETs have no mechanical parts rubbing together. Therefore, they do not wear out, nor is there any noise produced.

Input V D/C	Output V D/C	Unit Size (LxWxH) inch	Weight	Part #
12V	12V	5.6 x 1.8 x 1.6	0.55 lbs	BM12123
12V	24V	5.6 x 1.8 x 1.6	0.55 lbs	BM12241
24V	24V	5.6 x 1.8 x 1.6	0.55 lbs	BM24241
24V	12V	5.6 x 1.8 x 1.6	0.55 lbs	BM24121

How does it work?

1. The maintainer is activated when the primary battery reaches about 13.3 V and allows excess power to be transferred to the auxiliary battery.
2. The auxiliary battery will then be charged at low current (1 or 3 amps, depending on model).
3. It then maintains the charge on the auxiliary battery.
4. If the primary battery's voltage drops below 12.9 V the device switches to standby.
5. Ideal in boats where you may have a generator battery which topped up
6. In RVs the ECU / tracker device can drain charge from primary and secondary battery banks; the maintainer ensures the primary (starter) battery is charged.
7. Solar / wind top ups – excess energy from these external input sources can be redirected to the auxiliary battery bank so long as the primary is 13.3 V or over.