

***Battery Refresher
(Battery Desulfator)***



**Model No. WT-B12
WT-B24**

User's Guide

BA-POWER BATTERY REFRESHER

Operating instructions

Product description:

The battery Refresher enhances the function for service, maintenance of lead batteries and helps to keep them in shape.

Most of the lead batteries terminate their “lives” prematurely due to so-called sulphation.

The lead sulphate forms into smooth, large crystals over time. Thus, the amorphous, porous structure disappears. The charging power and thus the charging capacity decrease constantly, the battery ages.

The Battery Refresher takes energy from the battery and returns it as a surge. As a result, the crystals are excited in its natural frequency for oscillating. They thus decompose back to their amorphous structure. However, there molecules can be integrated into the charging process and thereby return the battery capacity to nominal vales. Charging voltage, cold test power and capacity increase again.

Thus, it is possible to revive old batteries and to preserve new batteries against aging prematurely.

It is best to connect the Refresher to batteries up to 300 Ah.

The Battery Refresher works from a voltage larger than 12.8V (25.8V for WT-B24) terminal voltage.

Then the green LED illuminates.

However, the Refresher shuts down at voltages below 12.6V (25.2V for WT-B24).

Installation

Connect the black cable(-) with the cable lug to the negative pole of the battery.

Connect the red cable(+) to the positive pole of the battery. It is not necessary to remove the pole terminals from the battery poles for this.

The Refresher will be destroyed if the connections are inserted the wrong way round.

It is best to fasten the Refresher with the attached double-sided adhesive tape on a suitable spot (it can be also glued to the battery.) But it is also possible to fasten the Refresher with screws of 3mm on a wall (not battery).

Important notes

The Battery Refresher may only be used with pure lead batteries. (Wet, gel, fleece).

Batteries with precious metal alloys are not suitable.

Defective batteries such as those with a cell plug may not be used.

WT-B12

WT-B24

Battery voltage

=12V

=24V

Start-up voltage:

>12.8V +-0.2V

>25.4V +-0.2V

Cut-off voltage:

<12.6V +-0.2V

<25.2V +-0.2V

Standby power : <0.2 mA

OPEN-circuit: 60-70 mA