

Battery-Pulser-Desulfator

(Desulfator for lead-acid batteries)



Product overview:

Over the time batteries tend to lose capacity because of sulfates covering the battery plates. This process also weakens the electrolyte and combined with the gradual coating of the plates leads to a notably decrease of the capacity of your batteries. It also reduces its ability to store and deliver power until the batteries can no longer perform the desired task. However using a Westech-Battery-Pulser can reverse this process by dissolving the sulfates, cleaning the plates and restoring the electrolyte strength and capacity. The lifespan of a battery is greatly increased while constantly using a battery-pulser.

Function details:

The Westech-Battery-Pulser sends a high-frequency peak pulse into the battery, causing crystalline sulfates to dissolve back into the electrolyte. This will restore the capacity of your battery and increase the possible amount of charging and discharging current.

Advanced technology:

Many desulfator products use an old technology to generate the pulse to desulfate a battery. This old technology creates a harsh inductor peak which can damage the battery plates. Our new technology instead uses “soft” pulsing-peaks to dissolve the sulfates while not doing any harm to the battery. The older technology also required a large inductor and therefore was quite a big device. Through our advanced technology the Westech-Battery-Pulser is compact and yet extremely efficient.

New cyclic pulsing function:

Like a regular pulse-battery-charger (charge – rest – charge – rest etc. ...) the Westech-Battery-Pulser uses a similar cyclic pulsing function (pulse – rest – pulse – rest etc. ...) to optimize the recovery process of the battery.

Benefits of pulse-desulfation

- Increased battery power
- Longer lifespan of the battery
- Faster battery charging
- Longer/slower battery discharge
- Sulfate buildup prevention
- Reduced evaporation

Competitive Advantages

- Fully automatic voltage selection: 12V, 24V, 36V, 48V
- Cyclic pulse generation leads to increased capacity recovery
- „Soft“ peak-pulsing
- Automatic shutdown to prevent over discharge of the battery
- Manually configurable voltage selection

Operation

1. Connect the Battery-Pulser to the battery or batteries:



2. The Battery-Pulser will automatically select the correct voltage.

3. If the battery voltage is too low, the automatic voltage detection may fail. You should now manually select the correct voltage:



Press the voltage select button: The Battery-Pulser will display the current working voltage. If you want to make changes, press the button again until the desired voltage is selected. To save your changes simply wait a few seconds until the display turns off again to conserve battery power.

Shutdown voltage

<u>Battery voltage</u>	<u>Display</u>	<u>Shutdown voltage</u>
12V Battery	C12	11.0V
24V Battery	C24	22.0V
36V Battery	C36	33.0V
48V Battery	C48	44.0V

Specifications

Model	Batteriepulser 12-48V
Automatic voltage selection	12V, 24V, 36V, 48V
Working current	max 20mA
Peak-current	max 2A
Peak-voltage	60-100V
Pulse-frequency	10 000HZ
LED-Anzeige	Indicates that the pulse is operating
Shutdown current	<5mA
Size	88x56x23mm
Weight	120g



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