

# Lead Acid Batteries 12v 24v 36v 48v Battery Regenerator Auto Pulse Desulfator

Notice: This battery desulfator is for sulfated battery, not for dead battery. Will not fix all battery problems, but it does desulfate them.

Maintaining time can be 3 days to 1 month.



BL200-2A



OR200-2A



GN200-2A



## Quick Start Guide

### 1. How to use this battery desulfator?

First, connect your battery bank to the battery charger. After finish the charging process, connect the battery bank to the desulfator. Then it displays battery voltage and automatically selects 12, 24, 36 or 48 volts. Red light flashes as it pulses the battery. This process is a one time cycle.

### 2. What are the targeted battery types and situations?

- Storage battery, winter maintance
- 3 years old battery or younger
- 12V 24V 36V 48V battery bank

### 3. Can it be used in lithium batteries?

No. It only can be used in lead acid batteries. Also, it can not desulfate battery with damaged plates.

### 4. Do I need to do some preparations before the desulfating?

- ✧ Check the battery voltage, the voltage should be more than 11.5V, or this battery desulfator can not enter into the working cycle
- ✧ Check the water level and electrolyte concentration of the battery

### 5. If the battery bank meets the situation in question2, but the battery

voltage is less than 11.5V, what should i do?

Normally, if the battery voltage is less than 11V, the smart charger is unable to charge the battery. In this case, you can use a trickle charger, connect this battery to “good” status battery(connection in parallel). After you finish the charging process, disconnect the battery from the battery charger, connect it to the battery desulfator.

6. How long does it take to desulfate the battery?

You should do the working cycle in answer 1 at least 3 times.

Charge - Desulfate; Charge - Desulfate; Charge - Desulfate.....

Every situation requires a different amount of desulphation time. So the total time can be 3 days to a month.

(Every time you desulfate the battery, 6-7 hours would be best.)

7. How can I feel the improvement?

You can record the discharging time of your battery before and after you desulfate the battery.



## Working Principles

Batteries often fail because sulfates slowly develop and cover the battery plates. This sulfating process also weakens the electrolyte and this combined with the gradual coating of the plates slowly and almost imperceptibly reduces the batteries ability to receive, store and then deliver power.

The High-frequency Peak Pulse delivers an electronically controlled pulse to the battery causing crystalline sulfates to dissolve back into the electrolyte and so restoring battery function and electrolyte strength regaining the batteries ability to receive charging current and deliver discharge current.

## Technical parameters

- ✧ Auto-setting for 12-48V battery
- ✧ Working Amp: 20mA max
- ✧ Peak Amp: 2A max
- ✧ Peak Voltage: 60-100V
- ✧ Pulse Frequency: 10,000HZ
- ✧ Cutoff amp: <5mA
- ✧ Size: 88\*56\*23mm

