

Auto Pulse Desulfator

(For Lead-Acid Battery Recovery)



PRODUCT OVERVIEW

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 battery’s ability to receive, store and then deliver power. This sulfating process gradually impairs battery function and causes a capacity loss until the battery can no longer perform the desired task and so the battery is deemed to have “failed”. However using an **Auto Pulse Battery Desulfator** can reverse the process by dissolving the sulfates, cleaning the plates and restoring the electrolyte strength so improving a battery’s life and capacity for an extended period. The Auto Pulse Battery Desulfator/Rejuvenator/Recovery unit uses no external power and generates a high-frequency pulse to dissolve batteries “sulfates”.

FUNCTION

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.



ADVANCED TECHNOLOGY

Many desulfator products use an old technology inductor design to generate the pulse to desulfate a battery. This old technology creates a harsh inductor peak that can be damaging to the battery plates. Utilising our new capacity pulsing method a “soft” peak is generated so dissolving sulfates without damaging the battery plates.

Old technology also requires a large inductor so necessitating a physically large desulfator device whereas using our advanced technology design the Auto Pulse Desulfator device is very compact yet provides BIG performance.

NEW CYCLIC PULSING FUNCTION

In a similar manner to a Pulse battery charger (charge – rest –charge – rest etc) a cyclic desulfating pulse function (pulse – rest – pulse – rest etc) optimizes a batteries recovery process. This method of desulfation has been implemented in the new Auto Pulse Desulfator

AUTO PULSE DESULFATOR BENEFITS:

- Increases Battery Power
- Extends Battery Life

- ☒ Battery Charge Faster
- ☒ Longer Discharge
- ☒ Prevents Sulfate Build-up Reduces Evaporation

COMPETITIVE ADVANTAGES

- ☒ Fully Automatic voltage selection. 12V 24V 36V and 48V
- ☒ New Cyclic pulse generation method for improved capacity recovery
- ☒ “Soft” Peak Pulsing
- ☒ Auto cutoff function to prevent over discharge of battery
- ☒ User Configurable override for manual voltage selection:

USAGE METHOD

Just Red terminal connect to battery positive and black terminal to battery negative. And **Auto Pulse Battery Desulfator** can cutoff when battery’s voltage is low.



MANUAL VOLTAGE SELECTION

If the battery voltage is very low the automatic voltage selection may fail to set the correct voltage. In this instance it is possible to manually set the desired operating voltage. By pressing the voltage select button. The LED screen will first display the working voltage and if you want to then alter the working voltage setting just presses the key again and the unit will change to next value. After setting the desired voltage the display will switch off to conserve battery power.

CUTOFF VOLTAGE

	Display	Cutoff voltage
12V battery	C12	11.0V
24V battery	C24	22.0V
36V battery	C36	33.0V
48V battery	C48	44.0V

SPECIFICATION:

- Auto-setting for 12-48V battery
- Working Amp: 20mA max
- Peak Amp: 2A max
- Peak Voltage: 60-100V
- Pulse Frequency: 10,000HZ
- LED light indicates when pulse working
- Cutoff amp: <5mA
- Size: 88*56*23mm
- Weight: 120g, including inner package



THREE TERMINAL CHOOSING

A, B, C directly connect to the battery by the terminal.
 1-A, B, C connect between the charger and battery box plug. Input side is be plugged in by charger terminal, and the desulfator’s out side is same the charger terminal.