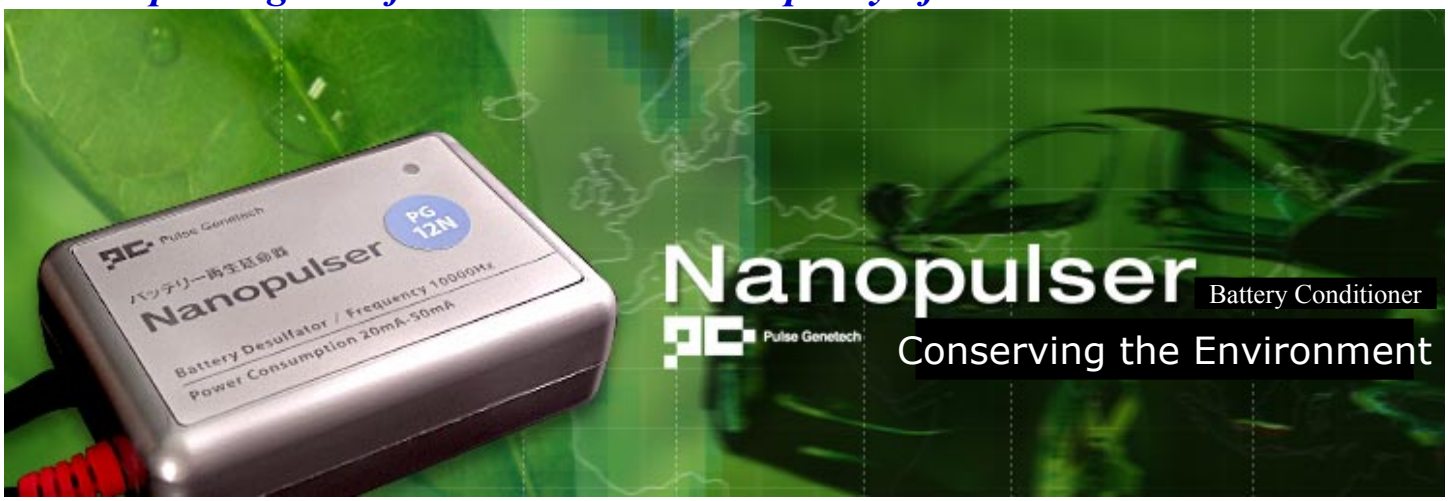
Electronic Desulfator Device

Nanopulser

Battery Conditioner

Pulse Genetech Corporation

Electronically inhibits the buildup of hard sulfate to prolong the life and maintain the capacity of lead acid batteries.



Features:

- Inhibits the buildup of hard sulfates, the main cause of capacity loss and failure of lead-acid batteries.
- Regenerates old sulfated batteries by desulfating slowly and gently without damaging electrode plates.
- Improves FLOODED, GEL and AGM lead acid batteries.
- Improves automotive starter, industrial deep cycle & backup and renewable energy storage batteries.
- Effect can be seen in longer operation hours and easier acceptance of charges. (Specific gravity improves dramatically within a few days or weeks depending on the condition and capacity of the battery.)
- Pulse is weak enough not to create electrical "NOISE" that interferes with electrical devices.

* It even revives old sulfated batteries. Installing on new batteries is recommended for the best result.

Products:

- Choose the device that matches the voltage of your battery. LED light shows device is energized.

・Model：PG-12N（for 12V）
・Size：3 - 5/32" × 2 - 5/32" × 1"
・Weight：85g(3 oz.)
・Power Consumption：40mA
・Auto shut-off feature works at 11.6V(To prevent faster drainage of batteries not regularly charged.)

・Model：PG-24H（for 24V）
・Size：3 - 5/32" × 2 - 5/32" × 1"
・Weight：85g(3 oz.)
・Power Consumption：30mA

Main Application：Automotive starter batteries. Vessel & RV deep cycle batteries.

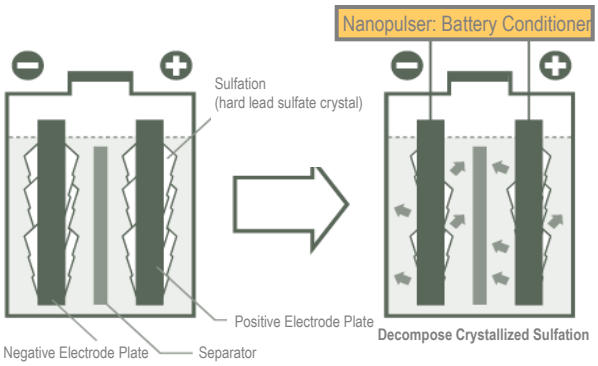
・Model：PG-36H（for 36V）
・Size：3 - 5/32" × 2 - 5/32" × 1"
・Weight：85g(3 oz.)
・Power Consumption：30mA

・Model：PG-48H（for 48V）
・Size：3 - 5/32" × 2 - 5/32" × 1"
・Weight：85g(3 oz.)
・Power Consumption：30mA

Main Application: Forklift, backup, renewable energy. Deep cycle and storage batteries.

No Limit to Applications.

◆ What is sulfation ? How does Nanopulser desulfate?

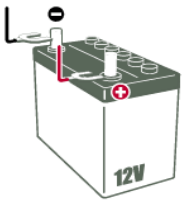


Lead-sulfate is created when a battery is discharged. Then, when charged, in principle all lead-sulfate changes back to its component materials --- lead, lead dioxide and sulfuric acid. However, as batteries age, hard lead-sulfate crystallizes on the surface of the electrode plates. This non-conductive material films the surface of the electrode plate causing a reduction in surface area needed for electro-chemical reaction of the battery. It also reduces the batteries' component materials needed for the reaction. Heavily sulfated batteries, which do not hold charges, are often replaced prematurely and unnecessarily.

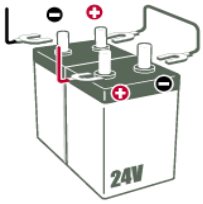
Nanopulser applies a weak but sharp electrical pulse that inhibits the buildup of hard sulfates as well as gently dissolving the sulfate coating without damaging the electrode plates.

With Nanopulser installed, batteries maintain a high level of capacity and prolonged life as well.

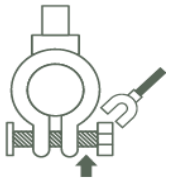
◆ Easy Installation



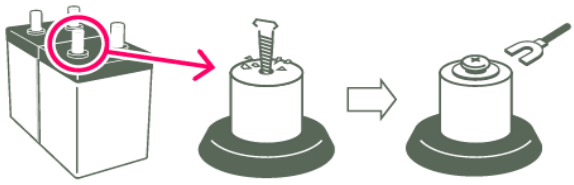
Connect red to (+), black to (-)



2 Batteries in series



Loosen nut and insert in gap



To install to large industrial batteries without clamps, use self tapping screws enclosed as shown

≪Manufacturer≫

Pulse Genetech U.S.A., Inc.
1750 112th Ave. N.E., D-253
Bellevue, WA 98004
TEL:425-454-2520 FAX:425-454-2524
Info@pulsegenetech.co.jp
http://www.pulsegenetech.co.jp/en