

Lineup of the ACTIVE PULSAR product

Compatible products	
 <p>FORK 48V</p>	<p>Correspondence : Electric forklift Model number : AP-F48V / AP-F72V</p> 
 <p>Cart 48V</p>	<p>Correspondence: Electric cart, turret truck Model number : AP-C48V / AP-C72V</p> 
 <p>36V</p>	<p>Correspondence: Floor washing machine Model number : AP-36V / AP-TP36V</p> 
 <p>Full Size 24V</p>	<p>Correspondence: Bus, truck, special vehicle etc. Model number : AP-D24V / AP-S24V</p> 
 <p>12V</p>	<p>Correspondence: Car, taxi, motorcycle etc. Model number : AP-D12V / AP-S12V</p> 

An emergency power source, the UPS use become the comment

Specifications

Drive frequency	20kHz~80kHz Automatic variable intermittent operation	Use temperature	-30°C~85°C
Current consumption during operation	Up to 20mA (When stopped : Less than 0.5mA)	Body dimensions	115×69×19.5mm
Cord length	About 90cm	Mass	150g

ACTIVE PULSAR Sales agency

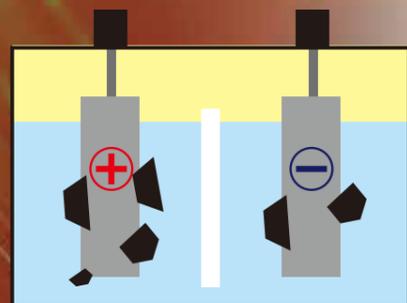
Reborn! Battery revolution! Batteries



Earth-friendly technology



Battery will deteriorate over time and will prevent from demonstrate its original ability.



※Image with the sulfation to an electrode plate.

80% of the cause of the deterioration is because a crystal of lead sulfate (sulfation) covers the electrode plate.

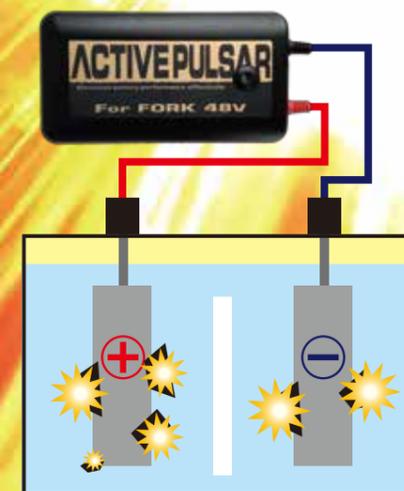
※When a lead battery is being left, it produces materials called lead sulfate by the chemical reaction of a leaden electrode plate and the battery liquid (dilute sulphuric acid). **Lead sulfate crystallizes with progress of the time and won't be able to decompose.**

When crystallization of lead sulfate begins...

- ①Lead sulfate attaches to an electrode plate, and surface area decreases
= **Sufficient charge cannot be performed.**
- ②It becomes difficult to let electricity pass (increase of the internal resistance) and exhausts useless electric power.
= **Mileage aggravation, the damage of the electrode plate due to the heat.**
- ③In order to change to lead sulfate, battery fluid (dilute sulphuric acid) is reduced.
= **Electrode plate becomes exposed and becomes the fatal deterioration.**
- ④Since water is generated simultaneously, **battery liquid (dilute sulphuric acid) thins.**

Lead sulfate is broken down by charge, but it will not restore when it crystallizes by excessive electric discharge, or left for a long time etc., and it cannot be charged.

The battery which deteriorated by attaching ACTIVE PULSAR revives again.



ACTIVE PULSAR raises resolution speed of lead sulfate which crystallized by letting a special pulse electric current make resonance.

In attaching ACTIVE PULSAR

- ①Crystallization of the lead sulfate of an electrode plate is decomposed and sufficient charge is possible.
- ②Reduce internal resistance; mileage improvement, energy saving
= **Prevent damage to the electrode plate due to heat.**
- ③Prevent dilution, a decrease in a battery fluid; life extension
= **Prevent exposing of electrode plate**

ACTIVE PULSAR® recovers the performance and prolong life of a battery!

ACTIVE PULSAR, an effect is realizable immediately.

Attached ACTIVE PULSAR in a car battery and photographed at the time of attaching, and four days later.



Before attaching
Lead sulfate crystals are adhesion state



after four days of attaching ACTIVE PULSAR
Lead sulfate crystals disappearance

The effect appears immediately, and a crystal of lead sulfate

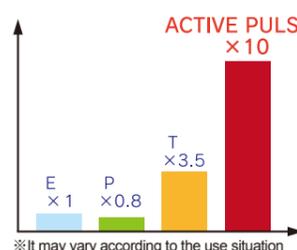
※Please note that there will be a difference between the time effect is to appear state of the battery, temperature, such as by usage.

It shows a performance superior to other brands

Overwhelming speed

Fast anyway! Overwhelming sulfation removal speed. About 1 week only now! For things a certain period of time was needed until effect is able to confirm.

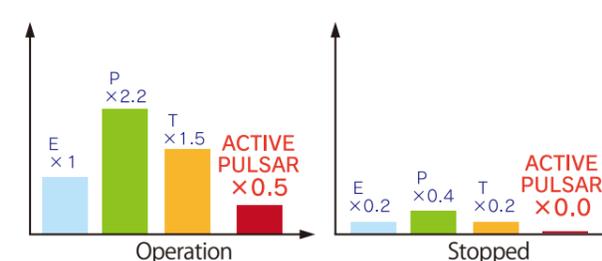
Sulfation dissolution speed
(Comparison at the time of setting E-company to 1)



Low power consumption

It shows that movement and stop electricity are predominantly superior to other companies like the chart below. It means that that electric power of operation is low has so small consumption and generation of heat of a battery.

Power consumption
(Comparison at the time of setting E-company to 1)



Pulse control

The other brands work in 2 choices of movement or the stop, but ACTIVE PULSAR works with four modes according to an accumulation of electricity rate.

In the case of ACTIVE PULSAR, because the system is such that hold down the number of the pulses(power consumption) with the decrease in accumulation of electricity rate, the decrease of the accumulation of electricity rate is gentle and continues working more than 5-10 times in comparison with other brands when not charging it for a long term.

