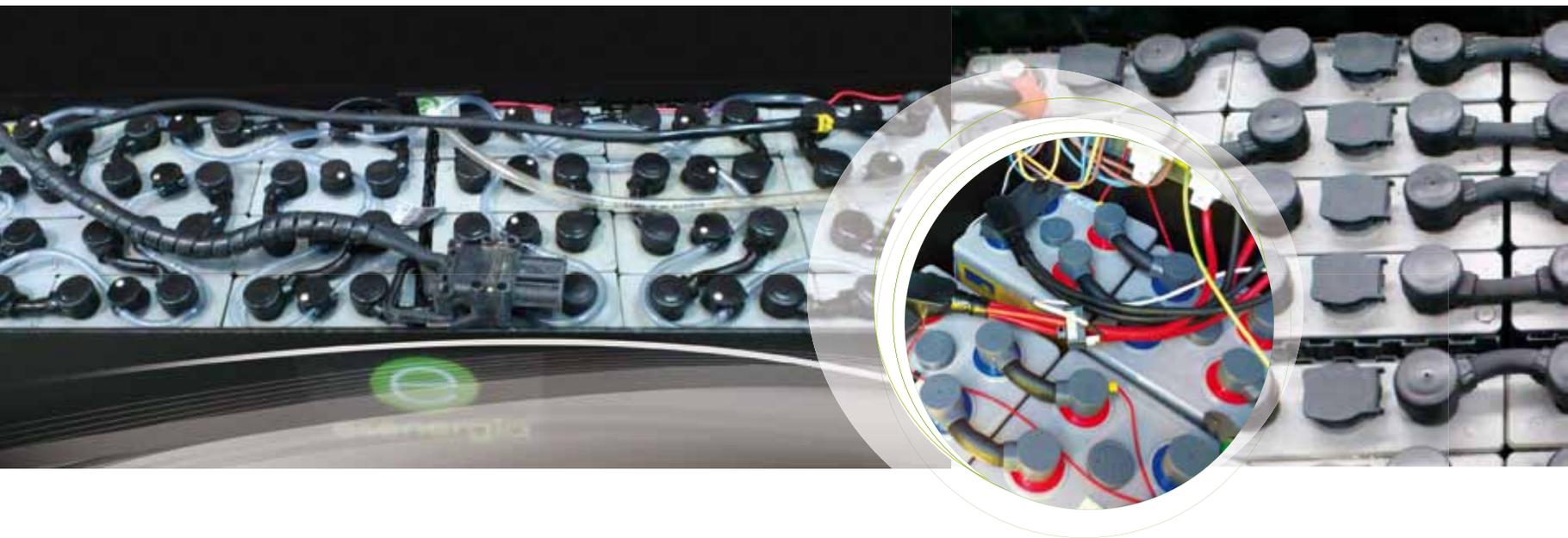




Esenergy Pulse
Technology and efficiency
at your battery's service



esenergia



Why does the life span of batteries end?

A battery can store and supply energy thanks to the interaction between the plates and the electrolyte. In theory, batteries should last several years, but usually their life span is shorter. This is due to the problems caused by sulfation, among other reasons.

As time goes by, lead sulphate, which is deposited on the plates, increases, until it creates a physical barrier. At some point, this substance becomes so dense that the battery stops receiving and supplying energy.

Better performance for your batteries

Esenergia's products help prevent this problem and prolong their life span

They connect directly to the battery's terminals and send it a continuous current through pulses and specific frequency that prevent sulphate deposits on plates and turn these into active electrolytes. If you install them permanently, our products delay sulfation, increasing the autonomy and performance of the battery, improving its efficiency and prolonging its life span.



Esenergia Pulse
the solution to increase
your batteries' life spans

Esenergia pulse is the new electronic device designed by esenergia to keep your batteries working at their maximum efficiency level.

Developed with new generation technology and with the constant bet on taking a new step towards the energetic sustainability of the planet, this device will let you diagnose, detect malfunctions and measure the performance of batteries, so you can plan maintenance operations in advance.

The possibility of preventing future problems with batteries, avoiding the resulting unnecessary dips in the performance of their equipment, will constitute significant energy savings for our customers' economy.



Esenergia Pulse is a multi-tension electronic system that prevents the sulfation of open lead, gel, AGM and VRLA batteries, and provides valuable **INFORMATION** for the optimal maintenance of your equipment.

A pulse in each battery

- Prevents sulfation in lead batteries
- Provides information and measures data such as:
 - Battery voltage
 - Charge percentage
 - Full or Partial charges performed
 - Information on the battery's performance

Technical Features

- Nominal working voltage from 9 to 50 V, and Pulse amplitude: 1, 5-4 A.
- Operating frequency: up to 35kHz.
- Ports: USB 2.0 and Wi-Fi (optional) with LED performance indicator.
- Software compatible with Windows XP, Vista and Windows 7-8.
- Parallel battery connection.
- Protection against polarity inversion.
- Wi-Fi enabled version (optional) with instant information on the battery fleet, and data downloading through the router.



Esenergy Pulse

We prolong your battery
life span with greatest
benefits



esenergia

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