

Silver Calcium Battery Technologies

Silver Calcium alloy batteries are batteries with water-acid electrolyte, but with grids made from calcium-silver alloy, instead of traditional lead-antimony grids. They stand out for its resistance to corrosion and the destructive effects of high temperatures. The result of this improvement is manifested in increased battery life and maintaining a starting power over time.

Technological Information

Technological improvements of this new alloy include increased corrosion resistance, greater resistance to high temperatures, longer shelf life, longer life of use (mean 6 years), minimal self-discharge and as having the highest breakout.

Disadvantages

Silver calcium batteries generally require more charging voltage (14.4 to 14.8 V) and may not be functional in older vehicles because their power generating systems (alternators) give lower voltages than those of modern vehicles. This also may occur with static chargers, some of which fail to charge these batteries.

