



FTMRS SOLAR

What is the gas discharged from the battery cabinet





Overview

Why does a lead-acid storage battery give off gas?

The gases given off by a lead-acid storage battery on charge are due to the electrolytic breakdown (electrolysis) of water in the electrolyte to produce hydrogen and oxygen. Gaseous hydrogen is produced at the negative plate, while oxygen is produced at the positive. Hydrogen is the gas which is potentially problematic.

Can hydrogen gas accumulate in confined spaces during battery discharge?

Yes, hydrogen gas can accumulate in confined spaces during battery discharge. This accumulation primarily occurs with certain types of batteries, particularly lead-acid batteries. During the discharge process of lead-acid batteries, electrolysis can take place, breaking down water into hydrogen and oxygen gases.

Why do lead-acid batteries produce hydrogen during discharge?

The production of hydrogen gas during battery discharge raises safety concerns. Understanding the specifics of each battery type is crucial for addressing these concerns. Flooded lead-acid batteries produce hydrogen during discharge due to the electrolysis of water within the electrolyte solution.

Which batteries produce hydrogen during discharge?

Certain types of batteries are more likely to produce hydrogen during discharge. These include flooded lead-acid batteries and nickel-metal hydride (NiMH) batteries. The production of hydrogen gas during battery discharge raises safety concerns. Understanding the specifics of each battery type is crucial for addressing these concerns.



What is the gas discharged from the battery cabinet

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