

Rooftop construction small base station equipment lead-acid battery





Overview

What is a lead acid battery?

Lead acid battery is a type of rechargeable battery that works using lead plates and sulphuric acid. When the lead plates are placed in the acid, a chemical reaction takes place, which produces electricity. This process can be reversed to recharge the battery.

What type of electrolyte is used in a lead-acid battery?

Electrolyte: Electrolyte used in a lead-acid battery is a dilute sulphuric acid solution. It is usually a mix of three parts water and one part sulphuric acid.
Container: Plates and electrolyte are placed in a container which may be made of vulcanised rubber or moulded hard rubber, ceramic, glass or celluloid. Container is sealed at the top.

What are the parts of a battery?

When several battery cells are joined together in series, parallel or a mix of both, they form a complete battery. A battery consists of a number of cells and each cell of a battery consists of following parts. Plates: Plates of a lead acid cell are made of antimonial lead alloy grid.



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