

How to make the base foot of the lead-acid battery of the solar container communication station





Overview

What is a lead acid battery container?

The container is a fundamental part of the lead acid battery's construction. There are, in general, two methods of producing the active materials of the cell and attaching them to lead plates. These are known after the names of their inventors. Plante plates or formed lead acid battery plates. Faure plates or pasted lead acid battery plates.

How does a lead acid battery work?

The operation of a lead acid battery is based on a series of chemical reactions between the lead plates and the sulfuric acid electrolyte. Here's a simplified explanation of the process: When the battery discharges, the lead dioxide on the positive plate reacts with the sulfuric acid to form lead sulfate (PbSO_4) and water.

What is the construction of a lead acid battery cell?

The construction of a lead acid battery cell is as shown in Fig. 1. It consists of the following parts : Anode or positive terminal (or plate). Cathode or negative terminal (or plate). Electrolyte. Separators. Anode or positive terminal (or plate): The positive plates are also called as anode. The material used for it is lead peroxide (PbO_2).

How are lead acid battery plates made?

Two lead plates after being subjected to hundreds of reversals will acquire a skin of lead peroxide thick enough to process sufficiently high capacity. This process of making positive plates is known as formation. The negative lead acid battery plates are made by same process.



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Overview of components Battery container & lid
Plates & separators Final assembly & filling ...



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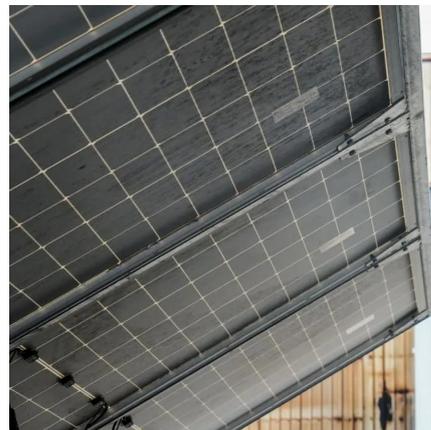


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