

ContainerPower Energy Solutions

Construction of lead-acid batteries for Hytera communication base stations



Overview

How does a lead acid battery work?

Lead acid battery is a type of rechargeable battery that uses lead plates and sulphuric acid to store and produce electrical energy. It works through a chemical reaction between the lead and electrolyte, which creates electricity when connected to a load. What are the characteristics of lead acid battery?

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What are lead acid batteries used for?

Lead Acid batteries are used for variety of application such as: For petrol motor car starting and ignition. As a source of power supply in telephone exchange, laboratories and broadcasting stations. For local lighting of generating and substations during odd times and break down. For starting rotary converters in substations.

What is a tetra integrated base station?

The TETRA integrated Base Station (iBS) is a base station suitable for outdoor and indoor operation. Thanks to its small size and lightweight, the TETRA iBS is easily transported, flexibly mounted, and quickly deployed, which reduces the networking cost. The TETRA iBS can be mounted on walls and the top of antenna masts.

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 is Hytera IBS?

Hytera IBS is one of TETRA base stations. Hytera is a communication product manufacturer that provides top-rated TETRA communication systems for digital radios and trunked systems, such as IBS, excellent radio communication systems, and premium customer service. Click and learn more!.

What is the difference between separator & electrolyte in a lead-acid battery?

Separator: The separators are thin sheets of a porous material which are placed between +ve and -ve plates to prevent internal short circuit of the +ve and -ve plates. Electrolyte: Electrolyte used in a lead-acid battery is a dilute sulphuric acid solution.

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