

Specifications and prices of lead-acid batteries

What is a lead acid battery?

Lead acid batteries are rechargeable batteries consisting of lead plates with a sulfuric acid/water electrolyte solution. Car batteries and deep cycle batteries use lead acid technology. All batteries have positive and negative terminals, marked (+) and (-) respectively, and two corresponding electrodes.

What are the technical specifications of lead-acid batteries?

This article describes the technical specifications parameters of lead-acid batteries. This article uses the Eastman Tall Tubular Conventional Battery (lead-acid) specifications as an example. Battery Specified Capacity Test @ 27 °C and 10.5V The most important aspect of a battery is its C-rating.

What is a lead-acid battery?

The lead-acid battery is a type of rechargeable battery first invented in 1859 by French physicist Gaston Planté. It is the first type of rechargeable battery ever created. Compared to modern rechargeable batteries, lead-acid batteries have relatively low energy density. Despite this, they are able to supply high surge currents.

Is a lead acid battery a good choice?

The lead acid battery maintains a strong foothold as being rugged and reliable at a cost that is lower than most other chemistries. The global market of lead acid is still growing but other systems are making inroads. Lead acid works best for standby applications that require few deep-discharge cycles and the starter battery fits this duty well.

How much lead is in a car battery?

According to a 2003 report entitled "Getting the Lead Out", by Environmental Defense and the Ecology Center of Ann Arbor, Michigan, the batteries of vehicles on the road contained an estimated 2,600,000 metric tons (2,600,000 long tons; 2,900,000 short tons) of lead. Some lead compounds are extremely toxic.

How many Watts Does a lead-acid battery use?

This comes to 167 watt-hours per kilogram of reactants, but in practice, a lead-acid cell gives only 30-40 watt-hours per kilogram of battery, due to the mass of the water and other constituent parts. In the fully-charged state, the negative plate consists of lead, and the positive plate is lead dioxide.

Battery type: - Lead-acid battery; Life cycles: 500; Warranty: - 1 year; Weight: - 23.81 pounds; Shatterproof ABS Plastic build; Our Verdict. A tough battery at a very ...

5.0 DETAILS OF SPECIFICATIONS OF PLANTE TYPE LEAD ACID BATTERIES : 5.1 The batteries shall be made of closed type lead acid cells of very low internal resistance having ...

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Find Lead Acid Batteries on GlobalSpec by specifications. Lead acid batteries are made up of plates, lead, and lead oxide with a 35% sulfuric acid and 65% water electrolyte solution. ...

Understanding the technical specifications of a lead-acid battery is vital for ...

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Lead-acid batteries have been commercially available for over a hundred years and undergone ...

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Understanding the technical specifications of a lead-acid battery is vital for your safety and battery longevity in any DIY project. This article discusses typical attributes of a ...

Maintenance of lead-acid batteries. In these batteries the acid mixture (electrolyte) is liquid. Acid batteries vent through the openings provided for this purpose. Some types require ...

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Power-Sonic sealed lead acid batteries can be operated in virtually any orientation without the loss of capacity or electrolyte leakage. However, upside down operation is not recommended. ...

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Lead-acid batteries have been commercially available for over a hundred years and undergone optimisation for specific applications in a variety of designs. Due to their long history, lead-acid ...

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Selecting the right size and specifications for large lead acid batteries requires careful consideration of your application's power requirements, voltage compatibility, physical ...

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