GPL12 Lead Acid Gel Batteries

What is a gel battery?

Gel batteries are a type of rechargeable battery that uses an electrolyte in gel form instead of liquid. This gel is composed of sulfuric acid,water and silica,and is thicker than the liquid electrolyte used in conventional lead-acid batteries. The gel acts as a medium to transport electrical charges between the battery's electrodes.

Why do gel batteries cost more than lead-acid batteries?

The initial cost of gel batteries is usually higher compared to conventional lead-acid batteries. However,this cost can be offset over the life of the battery due to its durability and lack of maintenance. 3. Lower charging efficiency

How long does a lead acid battery last?

ed Lead Acid Battery.Absorbent Glass Mat (AGM) technology for efficient gas recom ?Design Life? Up to 10 Yearsin St Service at 25°C Eurobat (20°C) : >1 erature Range? Nominal Operating Temperature : 25°C(77°F) Discharge : -15°C ~ 50°C (5°F~122°F) Charge: -15°C ~ 40°C (5°F~104°F) Storage: -15°C

Why should you choose a gel battery?

Gel batteries are sealed and airtight,significantly reducing the risk of corrosive acid leaks. This makes them safer and easier to handle,without the need for regular maintenance,such as adding distilled water,which is common with conventional lead-acid batteries. No maintenance reduces costs over the life of the battery. 3. Vibration resistant

Should a gel battery be discharged to 50 percent DoD?

Gel - Gel batteries should only be discharged to 50-60% DoD. Drawing more than this threshold rapidly ages the battery. The lower usable capacity necessitates buying larger gel batteries for the same energy needs. The AGM's higher permissible DoD makes better utilization of its capacity possible.

Are gel & AGM batteries safe?

Gel and AGM batteries are generally safeif charging guidelines are followed. But for installations near living spaces,additionally insist on fail-safe measures like automatic shutdown on overcharge/overheat. Consider recycling programs Both gel and AGM batteries have high lead content.

Contact us for free full report

Web: https://www.raioph.co.za/contact-us/
Email: energystorage2000@gmail.com
WhatsApp: 8613816583346