

# Small Sealed Battery Purchasing Requirements

What are battery safety requirements?

These include performance and durability requirements for industrial batteries, electric vehicle (EV) batteries, and light means of transport (LMT) batteries; safety standards for stationary battery energy storage systems (SBESS); and information requirements on SOH and expected lifetime.

Do you need a battery compliance scheme?

If you produce or market more than one tonne of portable batteries or products containing batteries or accumulators per year you must join a battery compliance scheme. Portable batteries are small sealed batteries commonly found in household appliances, such as AAA cells, mobile phone batteries and button cells found in watches.

Are sealed lead acid batteries maintenance-free?

Sealed lead acid batteries are categorized as maintenance-free. This characteristic means users do not need to regularly add water or check electrolyte levels, unlike flooded lead acid batteries. This benefit simplifies ownership and reduces the total cost of ownership. Safety features are inherent in sealed lead acid batteries.

What are the safety precautions for sealed lead acid batteries (SLA)?

The safety precautions for sealed lead acid batteries (SLA) include proper handling practices and storage methods to minimize risks. These precautions help ensure safe interactions with sealed lead acid batteries and mitigate potential hazards associated with their use.

What are the requirements for a rechargeable industrial battery?

Performance and Durability Requirements (Article 10) Article 10 of the regulation mandates that from 18 August 2024, rechargeable industrial batteries with a capacity exceeding 2 kWh, LMT batteries, and EV batteries must be accompanied by detailed technical documentation.

How long do sealed lead acid batteries last?

Short cycle life refers to the limited number of charge and discharge cycles sealed lead acid batteries can endure. Typically, SLA batteries can manage around 200 to 300 cycles, depending on usage, whereas lithium-ion batteries may last over 1,500 cycles. This can lead to more frequent replacements, increasing long-term costs.

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The first set of regulation requirements under the EU Battery Regulation 2023/1542 will come into effect on 18 August 2024. These include performance and durability requirements for industrial batteries, electric ...

This is a good idea. It is said that a sealed battery is not necessarily non-spillable. What that means is that some of the acids inside the sealed battery can get out at ...

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