



SolarTech Power Solutions

Base station lead-acid battery weight standards



Overview

What are the different parts of the lead-acid cell specification?

Part 1 Lead-acid stationary cells and batteries. Specification for general requirements Part 2 Lead-acid stationary cells and batteries. Specification for lead-acid high performance Planté positive type Part 3 Lead-acid stationary cells and batteries. Specification for lead-acid pasted positive plate type.

What are the parts of the lead-acid stationary cell document?

This is a multi-part document divided into the following parts: Part 1 Lead-acid stationary cells and batteries. Specification for general requirements Part 2 Lead-acid stationary cells and batteries.

What is part 1 and Part 2 of the lead-acid system?

Part 1 Lead-acid stationary cells and batteries. Specification for general requirements Part 2 Lead-acid stationary cells and batteries. Specification for lead-acid high performance Planté positive type.

What are the requirements for battery testing?

The battery testing shall be in accordance with the IEC standards specified in Table 3. The batteries shall be supplied with insulated inter-cell connectors made of tin or lead-plated copper bus bars or cables using stainless steel 316 hardware for fixing.

What are the safety requirements for batteries?

The safety requirements for batteries shall be in accordance with IEC 62485-1 and IEC 62485-2. When multiple cells are supplied with connection links, they shall be a fully insulated design or provided with IP2X insulated covers for protection against direct contact in accordance with IEC 60529.

What are the requirements for battery installation on ships?

In addition to the general requirements of the applicable IEC rules, the battery banks and associated components to be installed on ships shall be designed, tested and certified to the relevant requirements in the IEC 60092 series of rules for electrical installation in ships.

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