

A lead-acid battery cabinet line





Overview

Can a simple assembly line balancing problem be applied in a lead-acid battery factory?

This paper presents an application of a simple assembly line balancing problem (SALB) in a lead-acid battery factory in Colombia. SALBP-1 was the selected approach to carry out the research. In this type of SALBP, there is a fixed cycle time, and the purpose is to minimize the number of workstations.

What is a battery assembly line?

Assembly lines are one of the most often configurations on battery production floors. This type of distribution allows organizing the assembly process in workstations to reduce cycle times, optimize workers' loads, and improve efficiency. LAB production forecasting expects an annual increase of 2-4% until 2025 .

Which accumulator batteries are included in the cabinets covered by the technical specification?

The cabinets covered by the technical specification have been designed to contain the hermetic lead-acid electric accumulator batteries.

Does salbp affect lead-acid battery production line performance?

However, a few studies have more directly evaluated the impact of SALBP on lead-acid battery (LAB) production line performance. These batteries are highly demanded in the automotive sector because of their life cycle length, design, and cost-effectiveness . Assembly lines are one of the most often configurations on battery production floors.



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lead acid battery cabinet

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