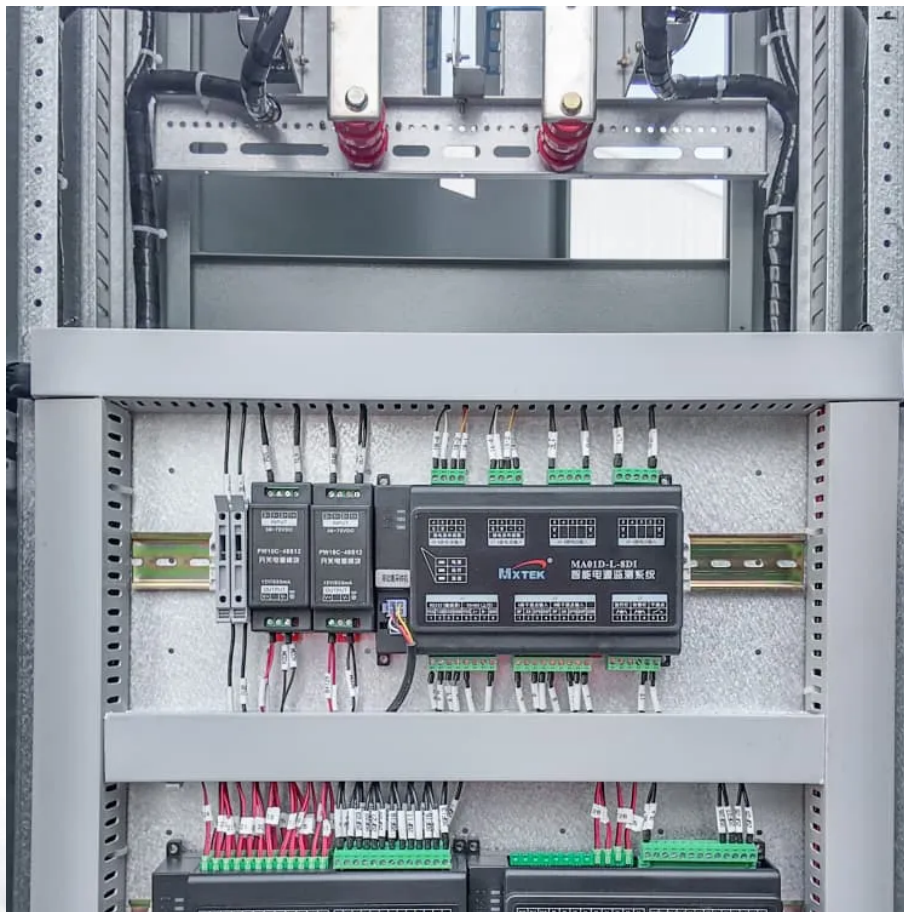


Cycle times of solar container lithium battery pack in Gothenburg Sweden





Overview

Are batteries the key to achieving Sweden's climate goals?

Batteries are a crucial piece of the puzzle if we are to achieve Sweden's climate goals with net-zero emissions by 2045. Batteries enable the phasing out of fossil fuels and increase flexibility in the electricity system through energy storage. The Swedish battery industry is at the forefront.

Why should you invest in batteries in Sweden?

Batteries enable the phasing out of fossil fuels and increase flexibility in the electricity system through energy storage. The Swedish battery industry is at the forefront. Sweden also has related strengths and opportunities in areas such as vehicles and electrical systems, as well as a strong mining cluster.

Who makes energy storage solutions based on lithium-ion batteries?

Swedish company providing energy storage solutions built on lithium-ion batteries. Founded in 2015, approx. 97 employees* Swedish developer of graphene-based anode material for lithium-ion batteries, founded in 2021. Chinese-based company to establish a production facility of separator film in Sweden. Registered in Sweden in 2021*.

How many batteries can hydrovolt recycle a year?

Hydro and Northvolt's joint company Hydrovolt, which was launched in 2020, started operation of the recycling plant in Fredrikstad in May 2022. The facility has capacity to recycle 12,000 tonnes of battery packs per year. Hydrovolt aims for 150,000 recycled electric car batteries per year by 2025, and 500,000 batteries by 2030.



Cycle times of solar container lithium battery pack in Gothenburg S



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COMPARATIVE LIFE CYCLE ASSESSMENT OF LITHIUM-ION

Power lithium battery pack cycle times
Manufacturers take a conservative approach and specify the life of Li-ion in most consumer products as being between 300 and 500 discharge/charge ...



containerized battery storage , SUNTON POWER

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