

# **Comparison of prices for fast charging in folding containers**





## Overview

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How profitable is a stationary storage with a fast charging station?

We compare different battery technologies and distinguish two use cases: fast charging in cities and along highways. Our results indicate that the profitability of a stationary storage installed together with a fast charging station depends on various parameters.

Can stationary storage be used at Highway fast charging stations?

Nevertheless, the use of a stationary storage at large highway fast charging stations is not always profitable and thus might need additional incentives or serve other purposes such as solar PV integration (onsite) or grid stabilization. Fig. 9. TCO of a 2,000 kW stationary storage (highway; use case 2). Own illustration.

What are the use cases of fast charging stations?

In our analysis, we distinguish two different use cases of fast charging stations. The first use case is fast charging stations in cities that might be used as an alternative to overnight home charging by vehicle drivers without private charging options.

Can stationary batteries increase the profitability of fast charging stations?

Although the profitability of stationary storages and the demand for fast charging have gained broad attention in literature, the specific question of how and under what circumstances stationary batteries can increase the profitability of fast charging stations has not yet been addressed for all potential applications.



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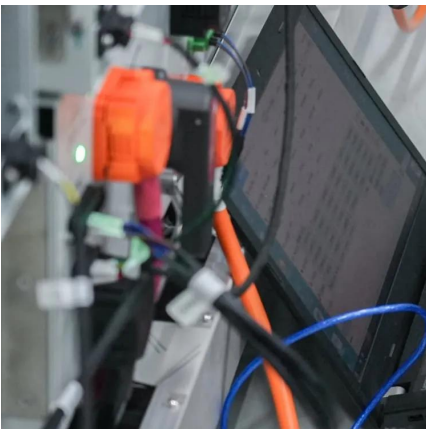
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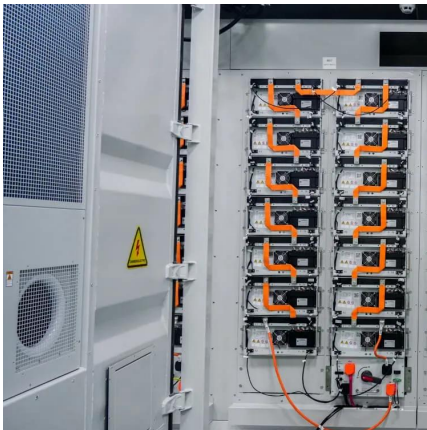
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