



LLSE CONTAINERS

# Long-lasting solar-powered container for steel plants in Nepal





## Overview

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### What is a solarcontainer?

The Solarcontainer is a photovoltaic power plant that was specially developed as a mobile power generator with collapsible PV modules as a mobile solar system, a grid-independent solution represents. Solar panels lay flat on the ground. This position ensures maximum energy harvest. Panels lay flat on the ground.

### Could solar energy improve steel production in APAC?

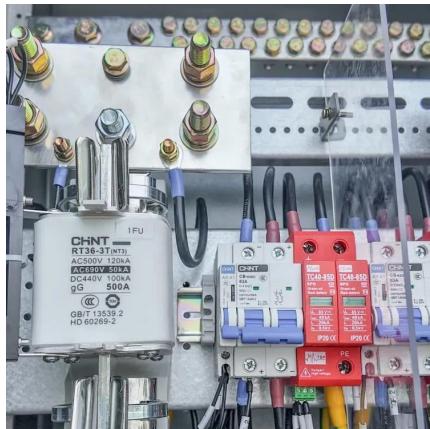
In APAC, where over 70% of the world's steel is produced, manufacturers are grappling with rising electricity costs, energy supply volatility, and carbon reduction pressures. The answer could lie with solar energy, which allows steel manufacturers to leverage alternative energy sources to reduce operational costs and enhance sustainability.

### How many households can a solar Container Supply?

Based on an average power consumption of a 4-person household of 4000 kWh per year and a location in Southern Germany, the solar container can supply approx. 32 households with climate-friendly electricity. At a location in Southern Europe it can even be up to 50 households due to the high solar radiation.



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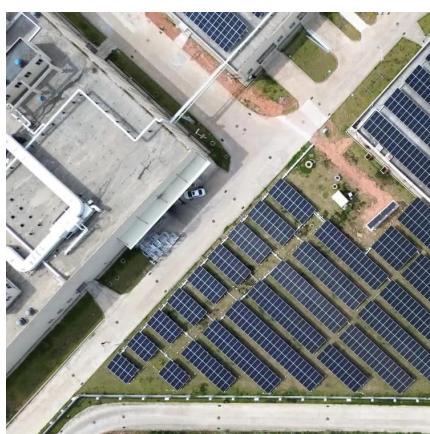
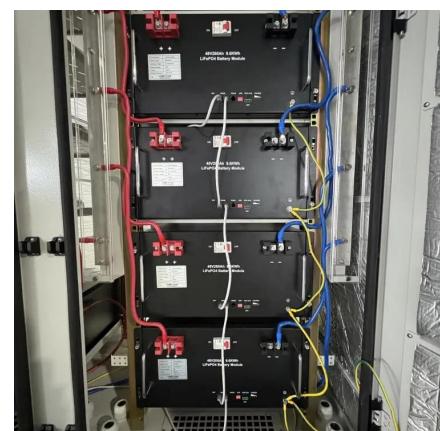


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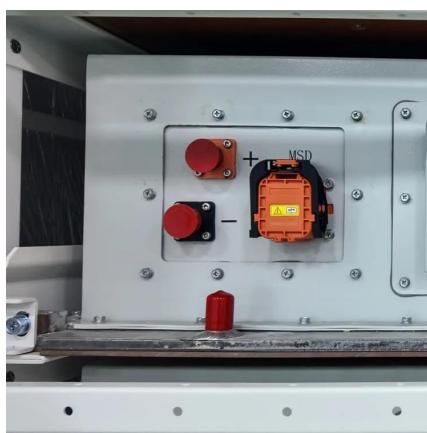
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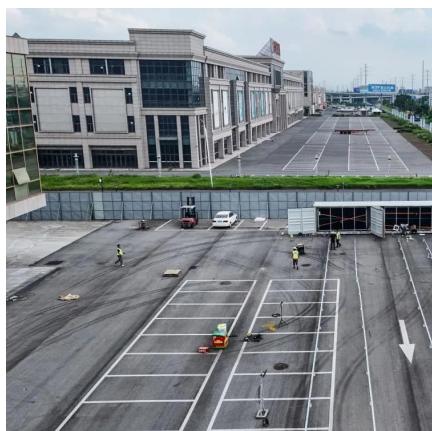
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