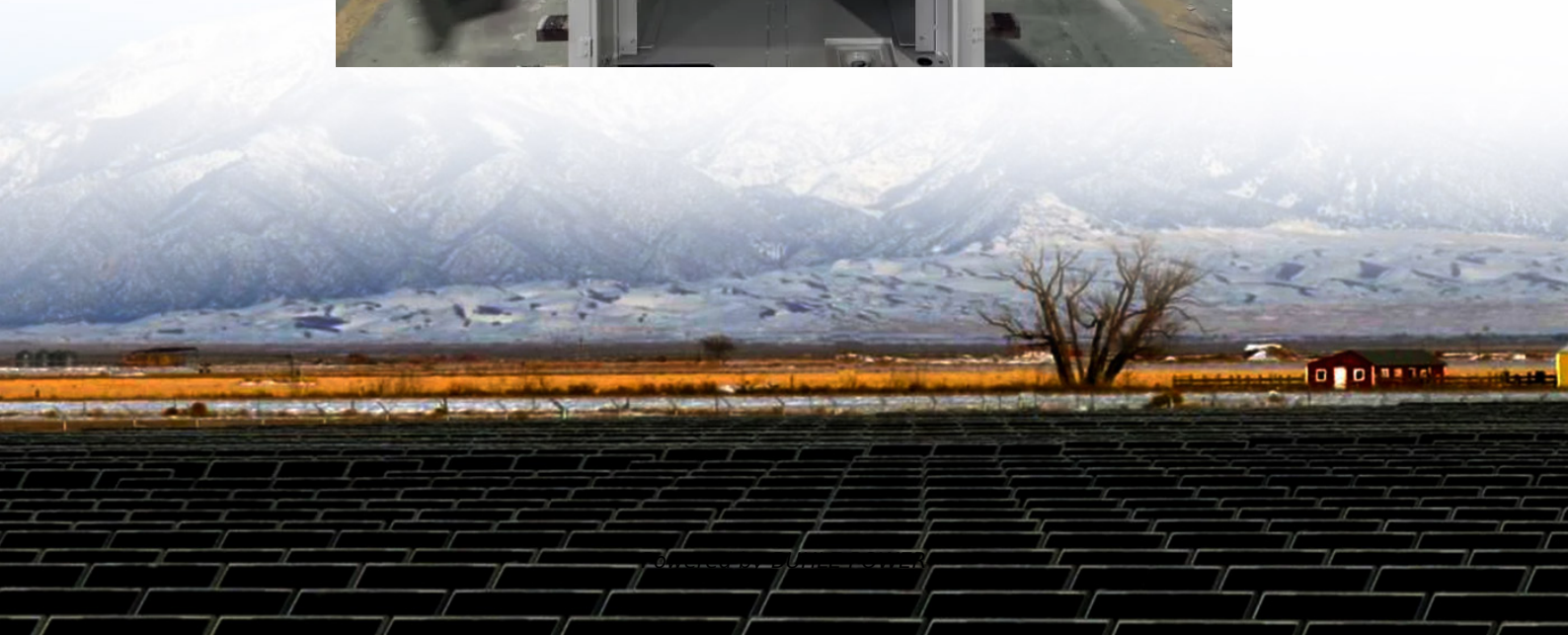


# **Sophia photovoltaic container for highway use 20kW**





## Overview

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What is a mobile photovoltaic system?

That is why we have developed a mobile photovoltaic system with the aim of achieving maximum use of solar energy while at the same time being compact in design, easy to transport and quick to set up. This system is realized through the unique combination of innovative and advanced container technology.

Can solar energy be used in highways?

The integration of energy and transportation is a prerequisite for ensuring a rational, practical, and sustainable evolution of energy conservation. This study proposes a planning strategy combining the maximum exploitation of solar resources and road area to utilize solar energy in highways entirely.

How to plan a road PV energy system?

Planning for the road PV energy system considering consumption self-sufficient rate. The maximum PV power generation of 1400.5 kWh realized by self-sufficient model. The integration of energy and transportation is a prerequisite for ensuring a rational, practical, and sustainable evolution of energy conservation.

What is solar photovoltaic (PV) electric power generation?

Solar photovoltaic (PV) electric power generation is mature and widely used in the energy industry, such as combined cooling, heating, and power systems , distributed power-generation projects , and electric vehicle charging networks .



## Sophia photovoltaic container for highway use 20kW

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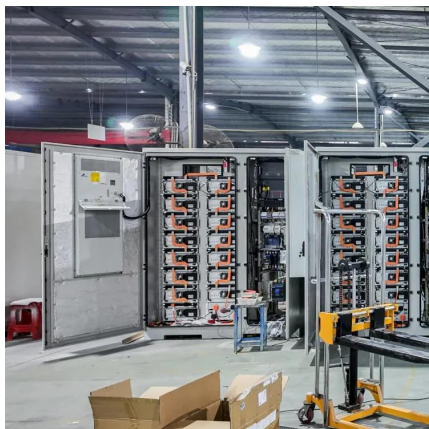
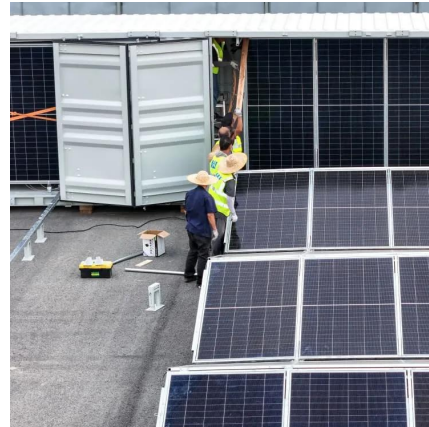
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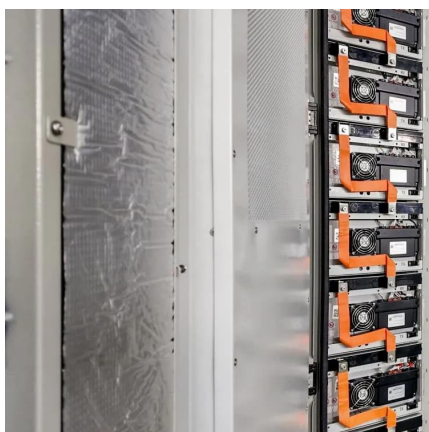


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