

# The role of the generator set in the container





## Overview

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How does a genset work in a reefer container?

When a reefer container is stored at the port or a facility, gensets are typically powered by electricity. They are simply plugged in, and the genset draws power from the electrical grid. However, when a reefer container is transported, the generator set is not able to draw power through an electrical socket.

What is a genset & how does it work?

These machines consist of a generator and an engine, housed together in one unit, hence the name “Generator Set” or Genset. Gensets are widely used across various industries for power generation, but their role in logistics is particularly crucial when it comes to refrigerated shipping containers, also known as reefers.

What is a genset in a shipping container?

They consist of an engine and a generator housed in a single unit, designed to be portable. In the context of refrigerated shipping containers, commonly known as reefers, gensets serve as the primary power source, ensuring that temperature-sensitive goods remain at consistent temperatures during transit.

Why are genset containers important?

These purpose-built structures provide a controlled environment, shielding the generators from external elements such as harsh weather conditions, dust, and debris. By ensuring optimal operating conditions, genset containers contribute to improved performance and extended lifespan of the power generation equipment.



## The role of the generator set in the container

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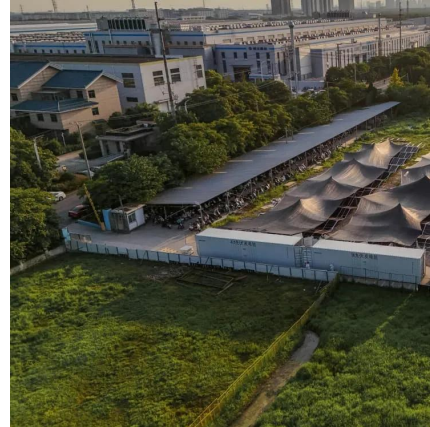


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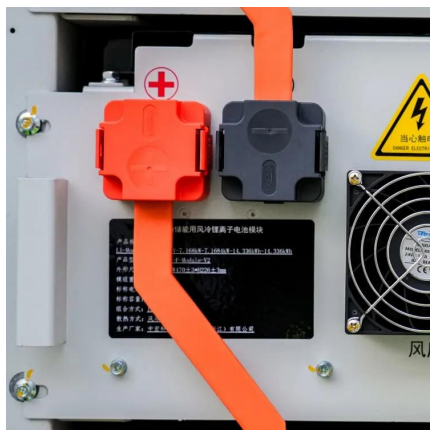
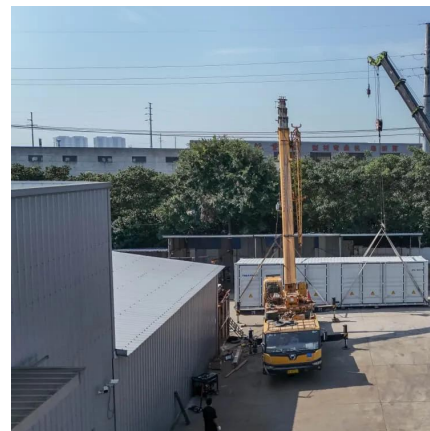


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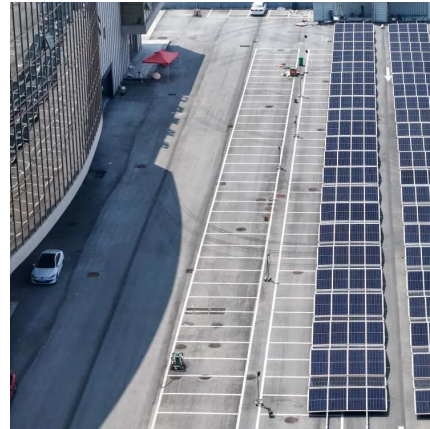
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### [Gensets for Reefer Containers - Types, Importance, and More](#)

Apr 10, 2025 · Industries use reefer containers every day to transport precious cargo and materials, making the use of gensets for reefer containers extremely important. Genset ...



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How Gensets Work on Reefer Containers  
Types of Gensets Used in Shipping  
When Are Gensets used?  
How Much Fuel Do Gensets consume?  
Popular Genset Brands  
Due to the different modes of transport that a reefer container is moved by, there are various types of gensets. Each of these gensets is used in specific applications, to ensure that the refrigeration unit receives enough power to cool the container's interior. When it comes to shipping, generator sets are either integral, undermount, or clip-on.



See more on freightcourse Starlight Generator

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