

# How many volts is good for a container generator





## Overview

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The standard supply voltage is 440/460 volts. Units can also operate with 208/230 volt three-phase transformers and are compatible with both 50 and 60 Hz frequencies. Why should you choose a container genset?

**Portability:** Container gensets can be easily attached and removed, allowing for seamless integration into various transport modes. **Reliability:** Designed for continuous operation, they ensure an uninterrupted power supply for reefers.

How much power does a refrigerated shipping container need?

**Power requirements** The amount of power needed for a refrigerated shipping container depends on the size of the container, what's being shipped, and the ambient temperature. To make sure the refrigeration unit works properly, you'll need to pick a generator that can provide enough power.

How to choose a generator for a refrigerated shipping container?

Diesel, gasoline, and natural gas are good options. Generators can be really loud, so picking one with a low noise level is key. This is even more important if the generator is going to be used in your neighborhood. If you need to move your refrigerated shipping container around, it's best to go for a generator that comes with wheels.

How much power does a diesel generator use?

Generally, a diesel generator will consume approximately 0.25 gallons of fuel per hour per kilowatt of power output. For a very broad average value for all container types, ambient conditions and cargo types, the value 3.6 kW/TEU can be used. A 20' container tends to be closer to 4 kW and a 40' container tends towards 7 kW.



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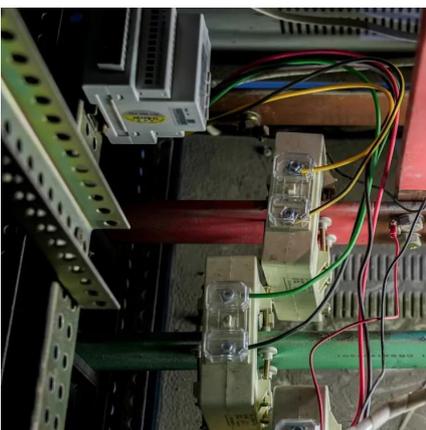
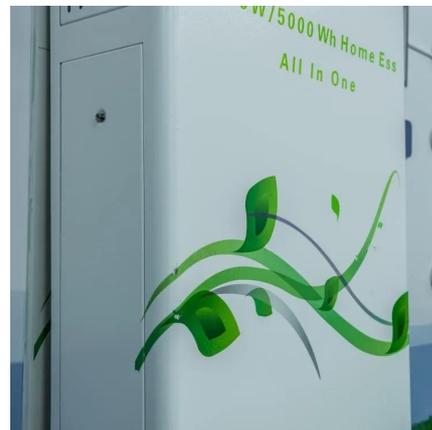


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Mar 4, 2025 · 5. In conclusion, which is best? Ultimately, the decision between Container Gensets and traditional generators depends on specific requirements and preferences. For projects that ...



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### **Data sheet (template)**

This generator set is capable of operating for short periods of time under with the LT temperature and/or the fuel methane number outside of the recommended limits with decreased ...



### [Refrigerated Container Electrical Requirements](#)

Refrigerated Container Electrical Requirements  
Electrical System Compatibility: Cascade  
Container's reefer units require a three-phase electrical system. The standard supply voltage ...



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### Generator Sizing Calculator

What is a Generator Sizing Calculator? A Generator Sizing Calculator is a simple yet powerful online tool that estimates the minimum generator capacity required (in kilovolt-amperes or ...

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