

## SolarTech Power Solutions

# Technical parameters of container power generation room



## Overview

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Generator-room temperature, ventilation airflow, ventilation air cleanliness, and air movement are critical design parameters that must be analyzed during the design process to ensure optimal and reliable operation of the generator set. What are the design parameters of a generator?

Generator-room temperature, ventilation airflow, ventilation air cleanliness, and air movement are critical design parameters that must be analyzed during the design process to ensure optimal and reliable operation of the generator set. It is critical that an adequate amount of ventilation airflow be delivered to the generator room.

What size generator container do I Need?

Our generator containers for Type 2, 3, and 4 gas engines have a standard 40-foot length. Width and height depend on engine type, the application (power generation only or CHP) and ambient conditions. Customized sizes to accommodate special project requirements are available on request.

How many generator sets are in a data center building?

There are ten generator sets installed on the second floor of the building and seven generator sets on the ground floor directly below. There is a building located directly across from the discharge openings. A CFD model was prepared to look at the restriction on the fans for the lower and upper generator sets. DATA CENTER BUILDING (CONT.).

What is a containerized generator set?

The durable and robust Containerized Series generator sets are ideally suited for independent power producer (IPP), mining, oil and gas, or any project where harsh conditions, challenging environments and the demand for reliable, continuous remote power exist.

Why should you buy a Cummins containerized generator set?

More Robust. More Control. More Reliability. Factory pre-integrated and customizable per site requirements, the new Cummins Containerized Series generator sets can provide significantly shortened lead time for installation, and a lower cost of ownership via a flexible design.

What is a type 6 generator container?

Our Type 6 generator containers consist of two or three pre-assembled modules, depending on the engine type and the application. The overall package (gas engine, container, and auxiliary components) is available for 65, 70, 75 and 80 dB (A) in 10m (surface sound pressure level according to DIN 45635).

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### Contact Us

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