

# **Power station generator set hydraulic system**





## Overview

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What is a hydraulic generator?

A hydraulic generator, running with the power of the working machine's hydraulics, guarantees high-quality electricity is always available. The generator can be safely assembled in any hydraulic system. Compared to a combustion engine-driven generator unit of the same output level, a hydraulic generator is half the weight and size.

Who makes a generator for a hydropower station?

For more than 125 years, ANDRITZ Hydro has been supplying generators for hydropower stations. Today, generators with a total capacity of more than 160,000 MVA are in service all over the world. Hydrogenerators convert the mechanical energy from the turbine into electrical energy using an excitation system.

Can a generator be assembled in a hydraulic system?

The generator can be safely assembled in any hydraulic system. Compared to a combustion engine-driven generator unit of the same output level, a hydraulic generator is half the weight and size. Still, it easily powers up even a large electric motor without any problem. Capacity: The reservoir capacity will vary with each generator.

What are the components of a hydraulic generator system?

A hydraulic generator system typically comprises several key components:  
Hydraulic Pump: The hydraulic pump is responsible for converting mechanical energy into hydraulic energy. It does so by pressurizing the fluid within the system. Pumps can be driven by various power sources, including engines and electric motors.



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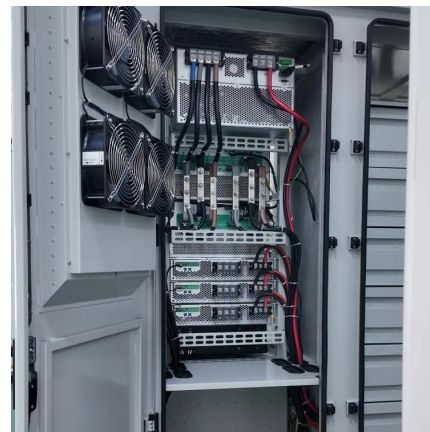


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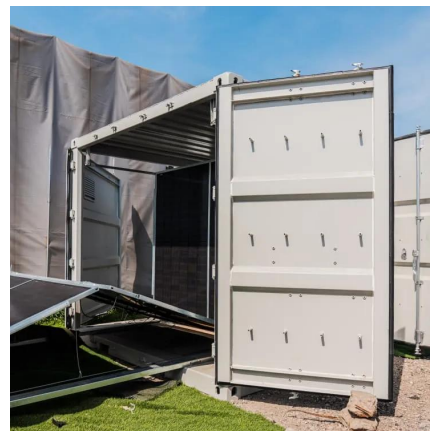


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