

# Large power station turbine generator



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### Steam Turbine Generators , TAES

Toshiba has a wide variety of steam turbine generators to meet the specific needs of your plant. View the product line-up below to learn more about each model's features, outputs, and specifications.

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### How Large Electric Power Generators Work: The Basics

The basic principle behind the working of large electricity generators is Faraday's Law. How is it implemented in a large electric generator is described in this article.



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### Arabelle nuclear steam turbine

The Arabelle steam turbine is the most powerful nuclear steam turbine in operation. For all reactor types, from 700 MW up to 1,900 MW, the Arabelle is highly efficient, reliable, and cost effective.

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### How Large Electric Power Generators Work: The Basics

HistoryThe Basics of GeneratorsModern  
Electrical GeneratorsThree  
CharacteristicsThe principle of  
electromagnetic induction is the basis of  
the generation of electricity. Discovered  
in 1830 by Michael Faraday, this later led  
to the development of the dynamo by  
Pixie. This started the generation of  
electricity by converting mechanical  
energy from steam turbines and hydro  
turbines. Be it the generation of a few  
watts of electrici See more on  
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## Steam Turbine Generators , TAES

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### List of largest power stations

This article lists the largest power stations in the world, the ten overall and the five of each type, in terms of installed electrical capacity.

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## Steam turbines

Our steam turbines, built with precision

and passion, serve as both generator drives and mechanical drives for compressors or pumps. They form the heart of numerous combined cycle and ...

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### Steam Turbine Generator , Toyo-Korea

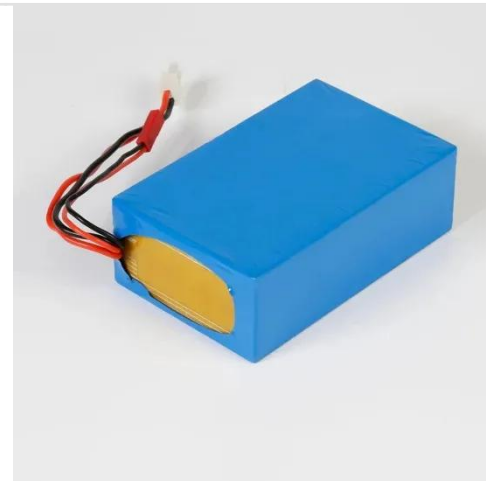
Electrical power stations use large steam turbines driving electric generators to produce most of the world's electricity. The advent of large steam turbines made central-station electricity generation part, ...

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### Power Plant Generators , GE Vernova

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### Turbo generator

Turbo generators are used for high shaft rotational speeds, typical of steam and gas turbines. The rotor of a turbo



generator is a non-salient pole type usually with two poles.

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