



SG 7.0-170

Enhanced performance



Flexible power output to enhance performance at any sites

Siemens Gamesa turbine created to deliver a competitive value proposition for our customers

Siemens
Gamesa, your
technology
partner

At Siemens Gamesa, we strive to anticipate opportunities in an increasingly demanding market. Our wind technology expertise, backed by more than 40 years of experience, over 144 GW installed and 90 GW maintained all over the world, equips us with the right tools for providing the suitable technological solutions for each project delivering a competitive LCoE throughout the entire lifecycle of the project.

Our team is passionate about what we do, and we are committed to delivering those products and services that best meet our

customer's project needs.

SG 7.0-170 offers:

- Flexible power output for a competitive LCoE.
- Site adaptability to configure the suitable solution for each project.
- Versatility, a highly flexible design for logistics, construction and service.



Siemens Gamesa technology

SG 7.0-170 has its roots in Siemens Gamesa geared technology, in which we have extensive knowledge and expertise. This includes a doubly-fed generator and partial converter combination and a compact drive train design with a three-stage gearbox. The result is a wind turbine designed to enhance performance and LCoE.

SG 7.0-170 wind turbine goes one step further by combining a flexible power rating from 6.4 MW to 7.0 MW with a rotor of 170 meters, to obtain high performance in all wind conditions.

It offers greater AEP and improved project CAPEX. This is due to the versatility created by a modular, flexible design that eases logistics, construction, and O&M. As a result, OPEX is also reduced, which results in a lower Cost of Energy for the project.

Unique, tailored solutions

Siemens Gamesa considers profitability to be a key factor in generating value for our customers. SG 7.0-170's contributing factors to profitability include:

- Configurable, flexible, personalized power modes fully tailored to the needs of each site.
- An extensive catalog of towers with multiple available technologies and the additional capability to create specific project designs.
- Control strategies that enable intelligent load reduction and a greater applicability in different wind conditions.
- A modular, enhanced structure for local transport and construction conditions.
- A maintainability-oriented design with advanced diagnostics and remote operation solutions, as well as the

possibility of replacing large turbine components without requiring a main crane.

- Optional product solutions to cover all types of market requirements.

Technical specifications



SG 7.0-170

General details

Rated power	7.0 MW
IEC class	IIA (25 years lifetime)
Flexible power rating	Up to 7.0 MW
Control	Pitch and variable speed

Rotor

Diameter	170 m
Swept area	22,697 m ²

Tower

Height	112, 115, 135, 155, 165, 185 m and site-specific
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Technology

Type	Geared
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First prototype

Date	2026
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