Siemens Gamesa 5.X
Enhanced performance
Flexible power output and two rotor sizes to enhance performance at any sites

Siemens Gamesa turbines 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 and almost 134 GW installed throughout the world, equips us with the right tools for providing the suitable technological solutions for each project delivering a competitive LCoE.

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.

Siemens Gamesa 5.X is a generation of turbines that offers:

- Flexible power output and two rotor sizes 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**

The Siemens Gamesa 5.X onshore platform has its roots in Siemens Gamesa geared technology, in which we have extensive knowledge and expertise. This include 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.

Siemens Gamesa 5.X goes one step further to become a platform that combines a flexible power rating from 5.6 MW to 7.0 MW with two rotors of 155 and 170 meters, to obtain high performance in all wind conditions.

SG 6.6-155, SG 6.6-170 and SG 7.0-170 turbines offer greater AEP per wind turbine 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 5.X considers profitability to be a key factor in generating value for our customers.

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 the Siemens Gamesa 5.X platform 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**

<table>
<thead>
<tr>
<th>General details</th>
<th>SG 6.6-155</th>
<th>SG 6.6-170</th>
<th>SG 7.0-170</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated power</td>
<td>6.6 MW</td>
<td>7.0 MW</td>
<td></td>
</tr>
<tr>
<td>IEC class</td>
<td>IIB (25 years lifetime)</td>
<td>S/IIB (25 years lifetime)</td>
<td>IIA (25 years lifetime)</td>
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<tr>
<td>Flexible power rating</td>
<td>5.6 MW-6.6 MW</td>
<td>6.0 MW-6.6 MW</td>
<td>Up to 7.0 MW</td>
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<tr>
<td>Control</td>
<td>Pitch and variable speed</td>
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<td></td>
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<tr>
<td>Rotor Diameter</td>
<td>155 m</td>
<td>170 m</td>
<td></td>
</tr>
<tr>
<td>Swept area</td>
<td>18,869 m²</td>
<td>22,697 m²</td>
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<tr>
<td>Tower Height</td>
<td>90, 102.5, 107.5, 122.5, 165 and site-specific</td>
<td>100, 110.5, 115, 135, 145, 150, 155, 165, 185 and site-specific</td>
<td>115, 135, 155, 165, 185 m and site-specific</td>
</tr>
<tr>
<td>Technology Type</td>
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<td>First prototype</td>
<td>2021</td>
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<td>TBD</td>
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