



SG 2.6-126

Benchmark in profitability for low- and medium-wind sites



Excellent capacity factor and reduced LCoE

SG 2.6-126: efficient technology, endorsed and recognized by the wind power sector

Siemens Gamesa,
your trusted
technology
partner

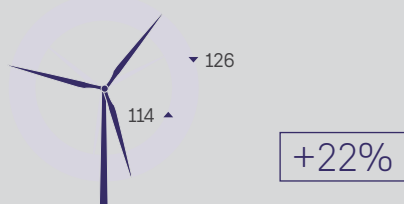
One of the key aspects to Siemens Gamesa's success is the continuous development of new and advanced products adapted to the business case of every customer. We strive to provide the best technological solutions for each project, while driving down the LCoE.

For this reason, we offer an optimized, streamlined catalog of proven solutions

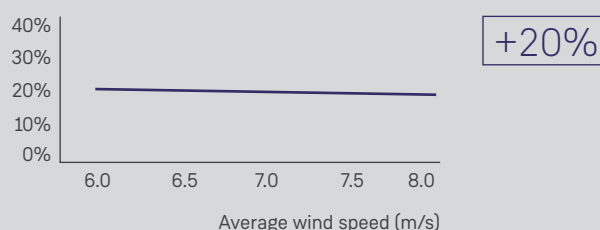
adapted to every type of site and condition, backed by:

- Our reputation as a trusted and stable partner (+84.5 GW installed worldwide).
- A proven track record spanning over 35 years that makes Siemens Gamesa a benchmark for wind projects.
- The recognition of the wind power sector.

Swept area increase



AEP increase SG 2.6-126 vs. SG 2.1-114



Benchmark in profitability for low- and medium-wind sites

The SG 2.6-126 wind turbine is one of the latest additions to the Siemens Gamesa 2.X platform, a benchmark in the market thanks to its excellent capacity factor and high profitability. Designed for low- and moderate-wind sites, this model seeks to offer our customers one of the most competitive products in the 2 to 3 MW power segment.

Boasting a 126-meter rotor combined with a 2.625 MW generator, this turbine is a benchmark in the market for profitability. The knowledge acquired through our latest products, specifically in the optimization of design, prototyping, validation and industrialization processes, has been a key factor in the development of the SG 2.6-126 turbine.

Proven Siemens Gamesa technology

Thanks to its extremely low power density, excellent capacity factor and reduced Levelized Cost of Energy, the SG 2.6-126 wind turbine has been highly acclaimed within the wind power sector, as recognized by the *Windpower Monthly* magazine with its Best Onshore Wind Turbine 2016 award in the up to 2.9 MW category.

SG 2.6-126 has a 62-meter blade. This is a new development from the 56-meter variant extensively validated in Siemens Gamesa projects involving wind turbines with a 114-meter rotor, through which we have achieved maximum production combined with reduced noise emission levels. In addition, the electrical system that it incorporates is also common to all other solutions with 2.625 MW of nominal power.

Versatility and extensive experience

Endorsed by its reliability, with an average fleet availability greater than 98%, and by its extensive experience, Siemens Gamesa 2.X stands out for its versatility and maximum performance at all locations and in all wind conditions. Its range of rotors and tower heights (63-153 meters) combined with different environmental options creates an excellent proposal for harvesting maximum energy from the wind with the greatest efficiency.

Technical specifications

| General details | |
|--------------------------------|---|
| Rated power | 2.625 MW |
| Wind class | IEC IIIA |
| Control | Pitch and variable speed |
| Standard operating temperature | Range from -20°C to 35°C ⁽¹⁾ |
| Rotor | |
| Diameter | 126 m |
| Swept area | 12,469 m ² |
| Power density | 210.50 W/m ² |
| Blades | |
| Length | 62 m |
| Airfoils | Siemens Gamesa |
| Material | Fiberglass reinforced with epoxy or polyester resin |
| Tower | |
| Type | Multiple technologies available |
| Height | 84, 102, 137, 153 m and site-specific |
| Gearbox | |
| Type | 3 stages |
| Generator | |
| Type | Doubly-fed induction machine |
| Voltage | 690 V AC |
| Frequency | 50 Hz/60 Hz |
| Protection class | IP 54 |
| Power factor | 0.95 CAP-0.95 IND throughout the power range ⁽²⁾ |

⁽¹⁾ Different versions and optional kits are available to adapt machinery to high or low temperatures and saline or dusty environments.

⁽²⁾ Power factor at generator output terminals, on low voltage side before transformer input terminals.

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