SG 3.4-132
The most profitable product in its segment
Optimum LCoE for medium and high winds

SG 3.4-132: a wind turbine to ensure enhanced performance with the highest levels of reliability

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 (110 GW installed worldwide).
- A proven track record spanning more than 40 years that makes Siemens Gamesa a benchmark for wind projects.
- The recognition of the wind power sector.
The most profitable product in its segment
The SG 3.4-132 wind turbine is integrated in the portfolio of Siemens Gamesa with a clear objective: to complement the product offer for medium- and high-wind sites in markets where our customers require solutions with nominal powers higher than 3 MW with an optimum Levelized Cost of Energy. This multimegawatt turbine, part of the Siemens Gamesa 3.X platform, is a natural evolution of the Siemens Gamesa 2.X product series, one of the most successful in the market, backed by over 60 GW installed in the 2.0-2.9 MW segment. Thanks to the operative experience accumulated over 40 years in the wind energy market, and due to the application of thoroughly tested and validated technologies, this Class I/II solution ensures enhanced performance with the highest levels of reliability.

An efficient solution for medium- and high-wind sites
The SG 3.4-132 turbine, available for locations with high and moderate wind conditions, improves on the production capacity of the model SG 2.6-114, both boosting the nominal power up to 3.465 MW and increasing the rotor swept area by 34%. This makes it one of the most efficient and cost-effective solutions for these types of sites.

This model also has an extensive portfolio of towers with heights ranging from 84 to 165 meters, which enables it to comply with the different maximum blade tip height restrictions in the market.

Based on proven technology
With a new 64.5-meter fiberglass blade, optimized for medium- and high-wind sites and with thoroughly tested and validated airfoils, the SG 3.4-132 model guarantees both high energy production and low noise emission levels thanks to the DinoTails® Next Generation serrated trailing edges. Siemens Gamesa incorporates proven technology into this model, such as the combination of a three-stage gearbox (two planetary stages and one parallel) and a doubly-fed induction generator. This is the same solution used in the Siemens Gamesa 2.X platform.

Technical specifications

### General details
- **Rated power**: 3.465 MW
- **Wind class**: IEC IA/IIA
- **Flexible power rating**: 3.3-3.75 MW
- **Control**: Pitch and variable speed
- **Standard operating temperature**: Range from -20ºC to 30ºC

### Rotor
- **Diameter**: 132 m
- **Swept area**: 13,685 m²
- **Power density**: 253.20 W/m²

### Blades
- **Length**: 64.5 m
- **Airfoils**: Siemens Gamesa
- **Material**: Fiberglass reinforced with epoxy or polyester resin

### Tower
- **Type**: Multiple technologies available
- **Height**: 84, 97, 101.5, 108, 114, 134, 154, 165 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**: 0.925 CAP-0.925 IND throughout the power range

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(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.