



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

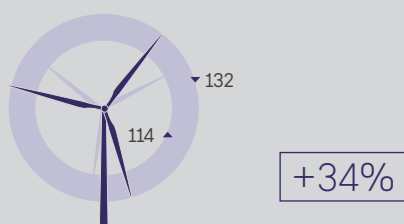
One of the key aspects to Siemens Gamesa's success is the continuous development of new and advanced products adapted to the business case of every customer. We strive to provide the best technological solutions for each project, while driving down the LCoE.

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

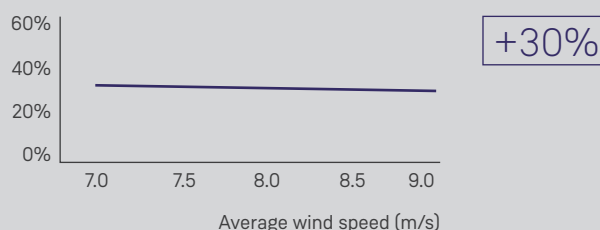
adapted to every type of site and condition, backed by:

- Our reputation as a trusted and stable partner (+87 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 3.4-132 vs. SG 2.6-114



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 52 GW installed in the 2.0-2.9 MW segment. Thanks to the operative experience accumulated over more than 35 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 -20°C to 30°C ⁽¹⁾
Rotor	
Diameter	132 m
Swept area	13,685 m ²
Power density	253.20 W/m ²
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, 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 ⁽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.

Siemens Gamesa Renewable Energy, S.A.
Parque Tecnológico de Bizkaia, Edif. 222
48170, Zamudio, Vizcaya, Spain
Phone: +34 944 03 73 52
onshoresales@siemensgamesa.com

Australia

160 Herring Road, Macquarie Park
Sydney, NSW 2113

Austria

Siemensstraße 90
Wien 1210
Phone: +43 51707 0

Belgium

De Gijzeleer Industrial Park
Industriezone Neerdorp
Huizingen, Guido Gezellestraat 123
Vlaams-Brabant, 1654 Beersel
Phone: +32 (2) 536 2111

Brazil

Eldorado Business Tower
Av. das Nações Unidas, 8.501
5º andar
Pinheiros, São Paulo - SP
Phone: +55 (11) 3096-4444

Canada

1577 North Service Road East
Oakville, Ontario, L6H 0H6
Phone: +1 905-465-8000

Chile

Avenida Vitacura 2969
Oficina 1002
Las Condes, Santiago

China

23rd Floor, No. 1 Building
Prosper Center, No. 5 Institution
Guanghua Road, Chaoyang District
Beijing 100020
Phone: +86 (10) 5789 0899

Croatia

Heinzlova 70a
HR-10000 Zagreb
Phone: +385 (1) 6105 494

Denmark

Borupvej 16
7330 Brande
Phone: +45 9942 2222

Egypt

3, Rd 218 Degla
11431 Maadi, Cairo
Phone: +202 25211048

France

40 avenue des Fruitiers
93200 Saint-Denis
Phone: +33 (0)1 85 57 00 00

Germany

Berliner-Tor-Center
Beim Strohhaus 17-31
20097 Hamburg
Phone: +49 (40) 2889 0

Greece

9 Adrianiou str
11525 Neo Psychiko
Athens
Phone: +30 2106753300

Hong Kong

35th Floor Central Plaza
18, Harbour Road, Wan Chai
Phone: +852 2593 1140

Hungary

Gizella út 51-57
1143 Budapest
Phone: +36 (1) 471 1410

India

#334, 8th Floor, Block-B
The Futura Tech Park
Sholinganallur
Chennai-119
Phone: +91 44 39242424

Iran

No. 13, Bandar Anzali Street
Ayatollah Taleghani Avenue
15936-43311 Tehran
Phone: +98 (21) 8518 1

Ireland

Innovation House, DCU Alpha
Old Finglas Road, Glasnevin
Dublin 11

Italy

Via Vipiteno 4
20128 Milan
Phone: +39 022 431

Japan

Gate City Osaki West Tower
1-11-1 Osaki, Shinagawa-ku
Tokyo, 141-0032
Phone: +81 (3) 3493-6378

Korea

Seoul Square 12th Floor, 416
Hangang-daero, Jung-gu
Seoul 04637
Phone: +82 (2) 6270 4800

Mexico

Paseo de la Reforma nº 505, piso 37
Torre Mayor, Col. Cuauhtémoc
06500 Mexico City
Phone: +52 55 50179700

Morocco

Anfa Place Blvd. de la Corniche
Centre d'Affaires "Est", RDC
20200 Casablanca
Phone: +212 5 22 67 68 01

Netherlands

Prinses Beatrixlaan 800
Zuid-Holland, 2595 BN Den Haag
Phone: +31 (70) 333 2712

Norway

Østre Aker vei 88
0596 Oslo

Philippines

22nd Floor, Tower 1
The Enterprise Center I
6766 Ayala Avenue cor.
Paseo de Roxas, Makati City 1200
Phone: +63 2 729 7221

Poland

ul. Zupnicza 11, Mazowieckie
03-821 Warsaw
Phone: +48 (22) 870 9000

Singapore

60 MacPherson Road
The Siemens Center
Singapore 348615
Phone: +65 6490 6004

South Africa

Siemens Park, Halfway House
300 Janadel Avenue
Midrand 1685
Phone: +27 (11) 652 2148

Sri Lanka

No. 51/1, Colombo Road
Kurana, Katunayake
Gampaha, Western Province
Phone: +94 312235890

Sweden

Johanneslundsvägen 12-14
SE-194 87 Upplands Väsby
Phone: +46 (8) 728 1000

Thailand

98 North Sathom Road
37/F Sathom Square
Silom, Bangkok, 10500
Phone: +66 2 105 6300

Turkey

Esentepe mahallesi, Kartal
Yakacik Caddesi No 111
34870 Istanbul
Phone: +90 (216) 459 2000

United Kingdom

Faraday House
Sir William Siemens Square
Frimley, Camberley GU16 8QD

USA

3500 Quadrangle Boulevard
Quad 14, Orlando, FL 32817

Vietnam

16th floor, Saigon Center
29 Le Duan st., Dist. 1
Ho Chi Minh
Phone: +84 28 35207713

The present document, its content, its annexes and/or amendments has been drawn up by Siemens Gamesa Renewable Energy, S.A. for information purposes only and could be modified without prior notice. The information given only contains general descriptions and/or performance features which may not always specifically reflect those described, or which may undergo modification in the course of further development of the products. The requested performance features are binding only when they are expressly agreed upon in the concluded contract. All the content of the document is protected by intellectual and industrial property rights owned by Siemens Gamesa Renewable Energy, S.A. The addressee shall not reproduce any of the information, neither totally nor partially.

10/2018

www.siemensgamesa.com