



SG 2.1-114

Benchmark in the sector for medium- and low-wind sites





# Strong market presence with a significant backlog of orders

SG 2.1-114: maximum efficiency at sites with moderate and low winds

---

Siemens Gamesa,  
your trusted  
technology  
partner

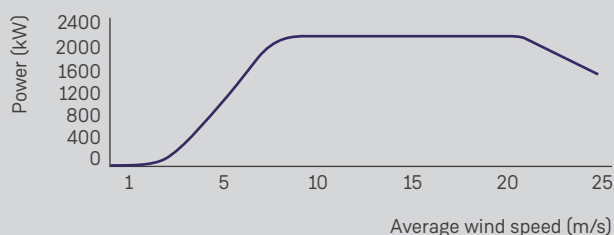
One of the key aspects to Siemens Gamesa's success is the continuous development of new and advanced products adapted to the business case of every customer. We strive to provide the best technological solutions for each project, while driving down the LCoE.

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

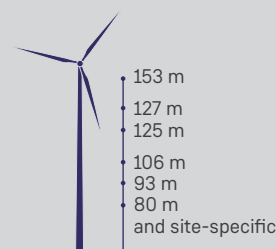
adapted to every type of site and condition, backed by:

- Our reputation as a trusted and stable partner (over 117 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.

### SG 2.1-114 power curve



### Tower height portfolio



### A benchmark in its segment

Boasting a 114-meter rotor, various tower options (from 80 to 153 meters) and nominal power of 2.1 MW, the SG 2.1-114 wind turbine<sup>(1)</sup> is one of the product proposals from the Siemens Gamesa 2.X platform.

This model is a benchmark thanks to its low power density, allowing maximum profitability at sites with moderate and low winds. A significant backlog of orders and a strong market presence bears testament to this, with over 7,000 MW installed worldwide.

It also has optimized solutions for Class S sites, so it can adapt to the environmental conditions in such markets as India, China and Brazil.

### Minimum power density, maximum profitability

With a 56-meter blade and aerodynamic profiles developed using state-of-the-art technology, SG 2.1-114 guarantees maximum energy production combined with low noise emission thanks to the DinoTails® Next Generation serrated trailing edges.

Furthermore, by applying comprehensively validated and certified technologies from the Siemens Gamesa 2.X platform, this turbine significantly reduces the Levelized Cost of Energy.

### Versatility and extensive experience

More than 62 GW installed in the 2.0-2.9 MW segment, with availability levels exceeding 98%, back the Siemens Gamesa 2.X platform, which stands out for its versatility and maximum performance at all locations and in all wind conditions.

Its range of rotors and tower heights (80-153 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	2.1 MW
Wind class	IEC IIA/IIIA/S
Control	Pitch and variable speed
Standard operating temperature	Range from -20°C to 40°C <sup>(2)</sup>
Rotor	
Diameter	114 m
Swept area	10,207 m <sup>2</sup>
Power density	205.74 W/m <sup>2</sup>
Blades	
Length	56 m
Airfoils	Siemens Gamesa
Material	Fiberglass reinforced with epoxy or polyester resin
Tower	
Type	Multiple technologies available
Height	80, 93, 106, 125, 127, 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 <sup>(3)</sup>

<sup>(2)</sup> Different versions and optional kits are available to adapt machinery to high or low temperatures and saline or dusty environments.

<sup>(3)</sup> Power factor at generator output terminals, on low voltage side before transformer input terminals.

<sup>(1)</sup> Model marketed as SG 2.0-114 in certain markets.

**Spain**

P. Tecnológico de Bizkaia, edif. 222  
48170 Zamudio, Vizcaya

Calle Ramírez de Arellano, 37  
28043 Madrid

Avda. Ciudad de la Innovación, 9-11  
31621 Sarriguren, Navarra

onshoresales@siemensgamesa.com

**Australia**

Level 3, Botanicca 3  
570 Swan Street, Burnley  
Melbourne, 3121

**Austria**

Siemensstrasse 90  
Vienna 1210

**Brazil**

Avenida Rebouças, 3970 - 5º andar  
Pinheiros 05.402-918, São Paulo

**Canada**

1577 North Service Road East  
Oakville, Ontario L6H 0H6

**Chile**

Edificio Territoria El Bosque  
Avenida Apoquindo 2827, Piso 19  
Las Condes, Santiago de Chile

**China**

Siemens Center Beijing, 2nd Floor  
No.7 South Wangjing Zhonghuan  
Road, Chaoyang District  
Beijing 100102

500, Da Lian Road  
Yangpu District  
200082 Shanghai

**Croatia**

Heinzellova 70 A  
10000 Zagreb

**Denmark**

Borupvej 16  
7330 Brande

**Egypt**

90th North St - New Cairo  
Section no. 1 - 5th Settlement  
Building 47, Floor 4, Office 442  
11835 New Cairo

**Finland**

Tarvonsalmenkatu 19  
FI-02600 Espoo

**France**

Immeuble le Colisée  
Bâtiment A - 2ème étage  
10 avenue de l'Arche  
92419 Courbevoie

97 allée Alexandre Borodine  
Cedre 3, 69800 Saint Priest

**Germany**

Beim Strohause 17-31  
20097 Hamburg

BCB business center in Kiel  
Hopfenstr. 1 D  
24114 Kiel

Mary-Somerville-Straße 14  
28359 Bremen

**Greece**

44 - 46 Riga Fereó  
Str. & Messogion Ave  
Neo Psychiko  
Athens, 15451

**India**

No. 489, GNT Road  
Thandalkazhani Village  
Vadagarai PO, Redhills  
Chennai 600052

**Indonesia**

Menara Karya, 28th floor  
JL. HR. Rasuna Said Blok X-5  
Kav. 1-2, Jakarta

**Ireland**

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

**Italy**

Centro Direzionale Argonauta  
Via Ostiense 131/L  
Corpo C1 9° piano  
00154 Roma

Via Vipiteno 4  
20128 Milan

**Japan**

Otemachi First Square Tower  
1-5-1 Otemachi

Chiyada-ku  
100-0004 Tokyo

**Korea**

Seoul Square 5th Floor 416  
Hangang-daero  
Jung-gu  
Seoul 04637

**Mexico**

Paseo de la Reforma 505  
Torre Mayor, 37th Floor  
Col. Cuauhtémoc  
Del. Cuauhtémoc  
06500 Mexico City

Carretera Juchitán  
Espinal, km 4  
El Espinal, Oaxaca

**Morocco**

Anfa Place Blvd. de la Corniche  
Centre d'Affaires "Est", RDC  
20200 Casablanca

**Netherlands**

Prinses Beatrixlaan 800  
2595 BN Den Haag

**Norway**

Østre Aker vei 88  
0596 Oslo

**Poland**

Zupnicza street 11, 3rd Floor  
03-821 Warsaw

**South Africa**

Siemens Park  
Halfway House  
300 Janadel Avenue  
Midrand 1685

**Sweden**

Evenemangsgatan 21  
169 79 Solna

**Turkey**

Esentepe mahallesi Kartal  
Yakacik Yolu No 111  
34870 Kartal  
Istanbul

**United Kingdom**

Solais House - First Floor West  
19 Phoenix Crescent  
Strathclyde Business Park  
Bellshill, ML4 3NJ

**United States**

11950 Corporate Boulevard  
Orlando, FL 32826

**Vietnam**

14th Floor, Saigon Centre  
65 Le Loi street  
Ben Nghe ward District 1  
Ho Chi Minh Cit

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.

11/2021