



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

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your trusted  
technology  
partner

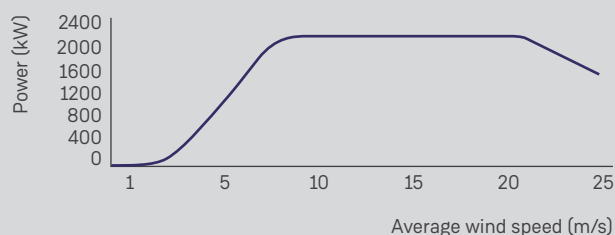
One of the key aspects to Siemens Gamesa's success is the continuous development of new and advanced products adapted to the business case of every customer. We strive to provide the best technological solutions for each project, while driving down the LCoE.

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

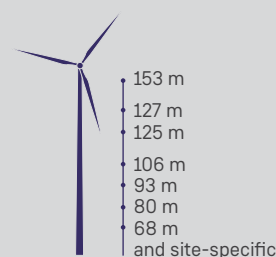
adapted to every type of site and condition, backed by:

- 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.

### SG 2.1-114 power curve



### Tower height portfolio



### A benchmark in its segment

Boasting a 114-meter rotor, various tower options (from 68 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 4,300 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.

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 50.7 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 (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	2.1 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	68, 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.



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