



Onshore Direct Drive solutions
Reliable and robust



A robust design for excellent availability

SG 4.3-120 and SG 4.3-130: Established technology from Siemens Gamesa

Siemens
Gamesa, your
technology
partner

Siemens Gamesa, committed to the energy transition and sustainable performance, drives the development and continuous improvement of advanced products specifically designed to meet the needs of every customer. Our mission is to offer cutting-edge technological solutions that optimize the LCoE, ensuring sustainable returns throughout the entire lifecycle of the project.

For this reason, we offer a catalog of solutions adapted to every type of site and condition, backed by:

- Our reputation as a stable partner (nearly 146 GW installed and over 91 GW maintained all over the world).
- A track record spanning more than 40 years.
- Our passion to provide you with the products and services that best meet your project requirements.



As an addition to our Siemens Gamesa geared onshore solutions, SG 4.3-120 and SG 4.3-130 rely on direct drive technology. This enables us to offer our customers the right technological solution for every project - adapted to the individual conditions of each location and its requirements.

Direct drive wind turbines, which use fewer moving parts than geared machines, offer various advantages:

- A turbine generator with a simplified and robust design that ensures efficiency even at high loads.
- Extensive knowledge, based on more than 28 GW of installed onshore direct drive turbines worldwide since 2014.
- High reliability and with that an outstanding availability, confirmed by measurements on the installed fleet.

With a flexible power output of up to 4.3 MW and rotor sizes of 120, and 130 m, the onshore direct drive solutions are designed to make the most of your site's potential, even under challenging project conditions and at the same time deliver safe and clean energy for sustainable future.

The Siemens Gamesa onshore direct drive solutions offer reduced complexity and a robust design with established technology for outstanding performance

Technical specifications



General details	SG 4.3-120	SG 4.3-130
Rated power	4.3 MW	4.3 MW
IEC class	IEC IA/S/T	IEC IB/S/T
Control	Pitch and variable speed	
Rotor		
Diameter	120 m	130 m
Swept area	11,300 m ²	13,300 m ²
Tower		
Height	85 m and site-specific	85, 115, 135 m and site-specific
Technology		
Type	Direct drive	
First prototype		
Date	2017	2018

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