

SUZLON

S120

2.1MW
PLATFORM
DOING MORE WITH LESS

THE SUZLON GROUP

At Suzlon Group, we believe energy enables human progress, and the new world of energy will be powered by Good Energies That Work. With revenues of USD 1.75+ billion for FY26 and market capitalisation of USD 7.5+ billion as of 1 June 2026, we're constantly advancing the good energies that make the new world work by building clean, dependable, intelligent, integrated, and affordable energy ecosystems for a rapidly electrifying world. With 22,000+ MW of wind energy capacity installed across 17 countries and a diverse portfolio of renewable energy businesses, Suzlon is now a wind-first, full-stack renewable energy solutions conglomerate, with businesses spanning RE Technology (Wind + Solar + Storage), RE Development Company, RE Projects, and RE Asset Management Services. For over three decades, Suzlon has partnered with leading PSUs, IPPs, and C&I businesses as a lifetime renewable energy partner. Our next-gen product portfolio includes 2.x MW, 3.x MW, 5.x MW, 6.x MW wind turbine systems alongside integrated renewable energy solutions that are built for the new world of energy. Headquartered at Suzlon One Earth in Pune, India, Suzlon Group comprises RE Tech: Wind | Storage | Solar, RE DevCo, RE Projects, and RE AMS, and its subsidiaries.

*Global installations of Suzlon-manufactured wind turbine generators.
Data as of 30th June 2026

S120

The S120 2.1 MW is available in three variants with towers up to 140m hub height that helps in unlocking the potential of previously unviable sites. With varied hub-height options, wind park owners can optimize the configuration based on the site's wind shear for optimal energy output.

Grid-friendly DFIG electrical systems continue to smoothly integrate wind turbines into the ever demanding utility network, meeting the latest grid requirements. Next generation controls and state-of-the-art software maximises the energy yield further and helps to reduce the Levelised Cost of Energy (LCoE). The superior performance of the S120 will improve return of investment (ROI) for customers and has set a new benchmark in the Indian wind industry. The S120 - 140m (140 meter hub height) serial fleet turbines demonstrate high performance standards and is operating with above 98% availability.

KEY DESIGN FEATURES

Blade:
SB 59 with massive swept area of 11,225m² and new generation of profiles along with superior leading edge protection coating provides longer maintenance cycles and ensures maximum generation in low wind regimes.

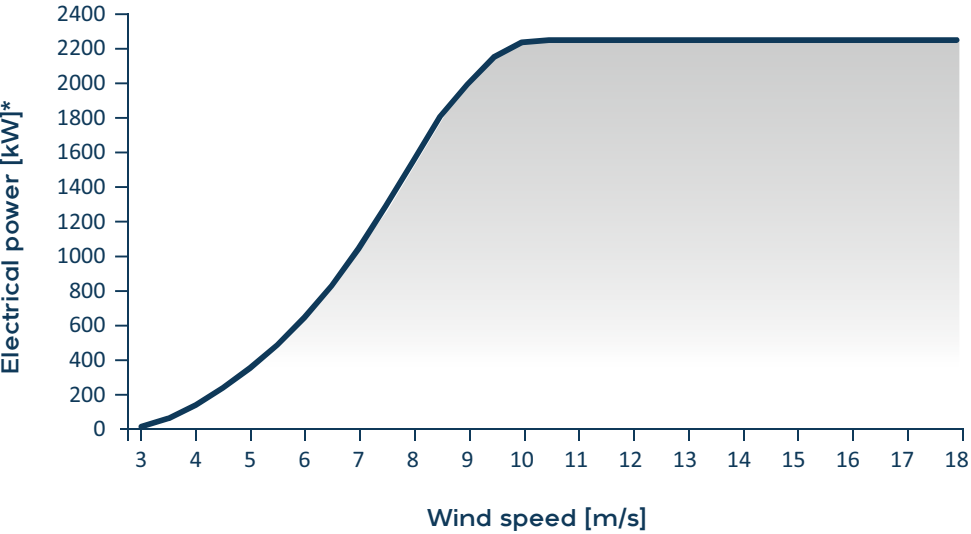
Generator:
Grid-friendly DFIG electrical systems continue to smoothly integrate wind turbines into the ever demanding utility network, meeting the latest grid requirements.

Hub:
Improved hub sub-assembly enhances safety and ergonomics.

Tower:
Various tower options (hub height and construction) help unlock the potential of previously unviable sites.

Rotor:
Advanced pitch control mechanism allows individual control of each blade and enables 120m rotor on the 2.1 MW platform.

POWER CURVE



TECHNICAL SPECIFICATIONS



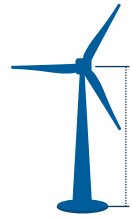
OPERATING DATA:
Wind class - IEC S
Rated power - 2.1 MW
Cut-in wind speed - 3.0m/s
Rated wind speed - 9.5m/s
Cut-out wind speed - 26.1m/s (3-second average)
18.0m/s (10-minute average)



ROTOR:
Rotor diameter - 120m
Swept area - 11,225m²



GENERATOR:
Frequency - 50Hz
Asynchronous - Slip ring asynchronous generator



TOWER:
Hub heights - 105m | 120m | 140m (depending on the type of the tower)
Type - Steel Tubular | Hybrid Lattice | Hybrid Concrete



BLADE:
Make - Suzlon SB59

* Power curve according to wind class IEC S and air density 1.16kg/n73 The released power curve has been created according to IEC 61400-12 guidelines. The actual power curve on specific sites varies due to site-specific conditions.

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