

An aerial photograph of a Suzlon S144 wind turbine. The turbine's tower is white with red and white horizontal stripes. The nacelle is white and has the word "SUZLON" printed on its side. Three long, white blades extend from the hub. The background shows a dry, brown landscape with some green vegetation and a grid of agricultural fields. A large, semi-transparent blue geometric shape, resembling a stylized 'S' or a series of overlapping triangles, is overlaid on the right side of the image.

S144

3.x MW Platform

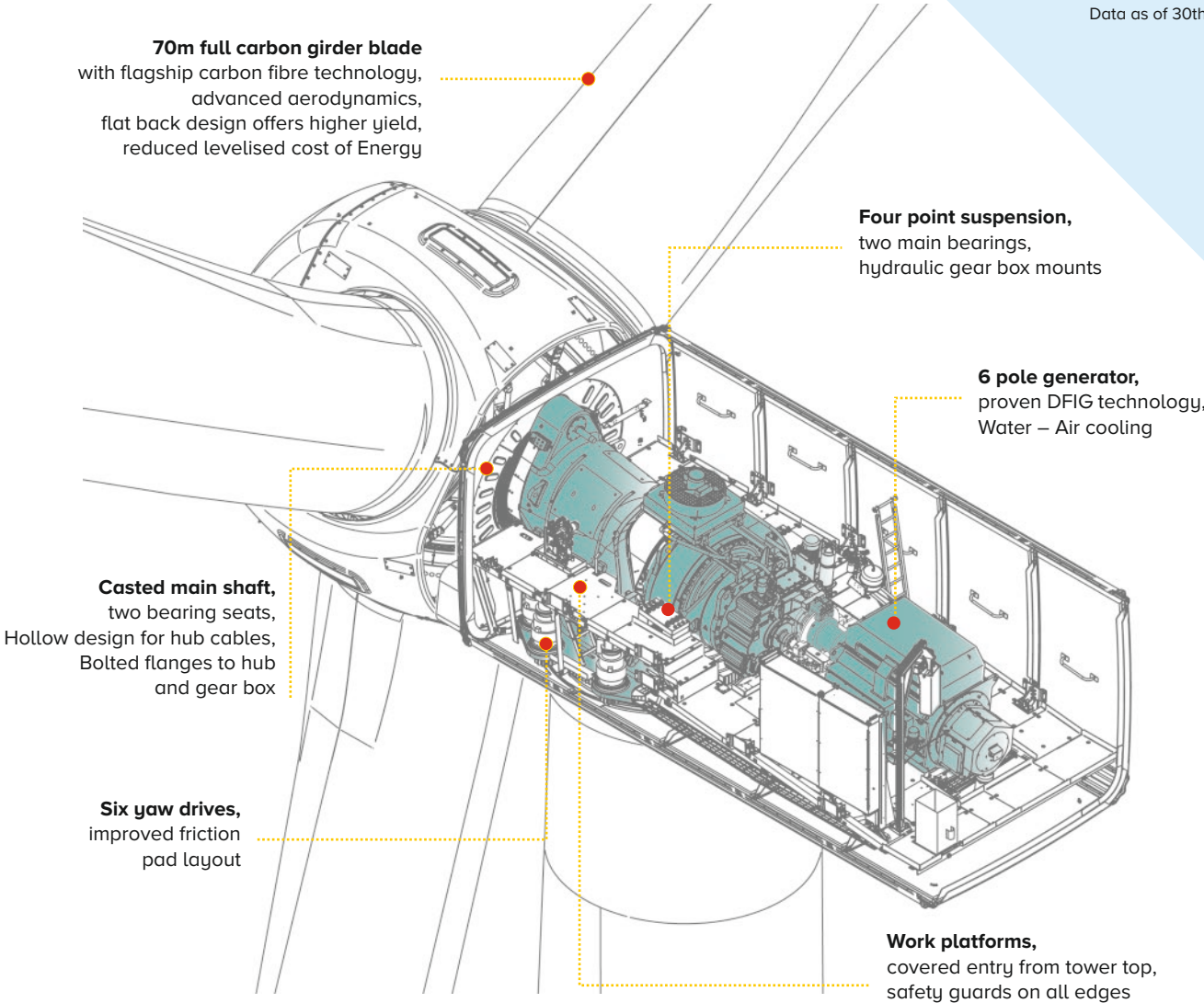
SUZLON

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

KEY DESIGN FEATURES

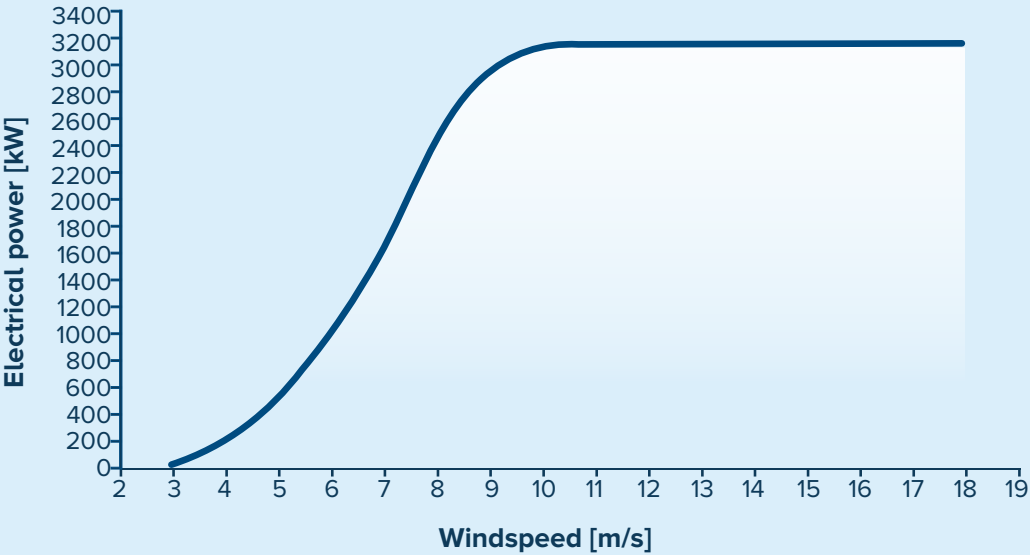


THE S144 ADVANTAGE

Suzlon introduced the new 3 MW series to unlock unviable sites and to deliver improved energy yield suitable for all wind regimes. The S144 wind turbine generator is one of the largest in India, extendable up to 3.15 MW, depending on site wind conditions, available at a hub height of 140 meters going up to 160 meters by its serial launch. At 160 meters hub height the S144 will also be India's tallest wind turbine. Suzlon's S144 fleet will deliver a remarkable 40-43% higher generation over Suzlon's current model, the S120 – 2.1 MW wind turbine, showcasing its ability to optimize wind resources at higher altitudes and make low-wind sites viable.

POWER CURVE

The power curve for 3.15 MW at standard air density of 1.225 kg/m³



TECHNICAL SPECIFICATIONS



OPERATING DATA:
Wind class - IEC S
Rated power - 3.00 MW
Cut-in wind speed - 3.0m/s
Rated wind speed - 9.2m/s
Cut-out wind speed - 18m/s



ROTOR:
Rotor diameter - 144m
Swept area - 16,618m²



GENERATOR:
Frequency - 50Hz
Proven DFIG technology
Water – Air cooling



TOWER:
Hub heights - Up to 160m
Type - Modular Hybrid
Lattice Tower



BLADE:
Make - Suzlon SB70
(Carbon girder, Flatback and metal root inserts)

* The 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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