

THE 3.1M130*

OPTIMISED FOR LOW AND MEDIUM WIND SITES



The Senvion 3.XM Series

Our new 3MW+ series wind turbine generator with a hub height of 130m has been optimized for higher yields at medium – low wind site. With an operating temperature range of upto 49 °C, it can also be operated in tropical climates. The supply chain is localized. The 3.XM series is fully compliant with Indian grid code requirement

*Under type-testing. Commercially available only in India

Design Data

Nominal Power (kW)	3100
Cut in wind speed (m/s)	3.0
Cut out wind speed (m/s)	20.0
Nominal wind speed (m/s)	13.0
Operating Temperature range (°C)	0 to 49
Survival Temperature range (°C)	-20 to 50

Rotor

Diameter (m)	120.0
Rotor Area (m²)	11,310
Power Control	Electrical pitch system

Certification

Wind Class	IEC S
Type Testing	IEC 61400-22

Tower

Type	Tubular steel tower
Height	140m

Electrical System

Nominal Power(Hz)	50
Converter Type	Full power conversion with IGBT
Generator	Electrically excited synchronous generator.
Generator protection class	IP 54

Rotor Blade

Length (m)	58.7
Profile Type	LM 58.7
Material	GFRP

Power Curve

