

# THE 2.3M120

OPTIMIZED FOR MEDIUM WIND SEGMENT



## The Senvion 2.XM Series

Our new 2MW+ series wind turbine generator with a hub height of 120m has been optimized for higher yields at medium – low wind site. With an operating temperature range of upto 40 °C, it can also be operated in tropical climates. The supply chain is localized. The 2.XM series is fully compliant with Indian grid code requirement.

## Design Data

|                                  |           |
|----------------------------------|-----------|
| Nominal Power (kW)               | 2300      |
| Cut in wind speed (m/s)          | 3.0       |
| Cut out wind speed (m/s)         | 20.0      |
| Nominal wind speed (m/s)         | 11.0      |
| Operating Temperature range (°C) | -10 to 40 |
| Survival Temperature range (°C)  | -20 to 50 |

## Rotor

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

## Certification

|                |                       |                |             |
|----------------|-----------------------|----------------|-------------|
| Hub Height (m) | Wind Class            | DIBt wind zone | Transformer |
| 120            | IEC S (based on IIIB) | -              | ETS         |

## Tower

|                                |       |
|--------------------------------|-------|
| Max. sound power level (dB[A]) | 107.0 |
|--------------------------------|-------|

## Electrical System

|                            |  |
|----------------------------|--|
| Nominal Frequency (Hz)     | 50   |
| Converter Type             | Converter (Full power conversion)          |
| Generator                  | Electrically excited synchronous generator |
| Generator protection class | IP 54                                      |

## Rotor Blade

|            |         |
|------------|---------|
| Length (m) | LM 58.7 |
| Type       | GFRP    |

## Power Curve

