

WINDSIDE *WS-2CityG dimensions and technical info*

Windside WS-2CityG technical info:

- Weight: ~170 kg
- Swept area: 2 m²
- Generator: 25A in delta, 15A in star connection
- Voltage: 12V battery charging mode max. 15V
24V battery charging mode max. 30V
 - For direct resistance load, voltage depends on use
- Fastening of the turbine with 8 pc of M12 bolts
- Wind load, side force to the middle point of the vane, Calculated 1,1 m up from the generator: 500 kg
- The weight of the base depends on the height of the mast - in other words on the length of the torque arm.
- Rotational speed max. 500 rpm
- Wind endurance guaranteed at constant wind speed of 25 m/s

Power production:

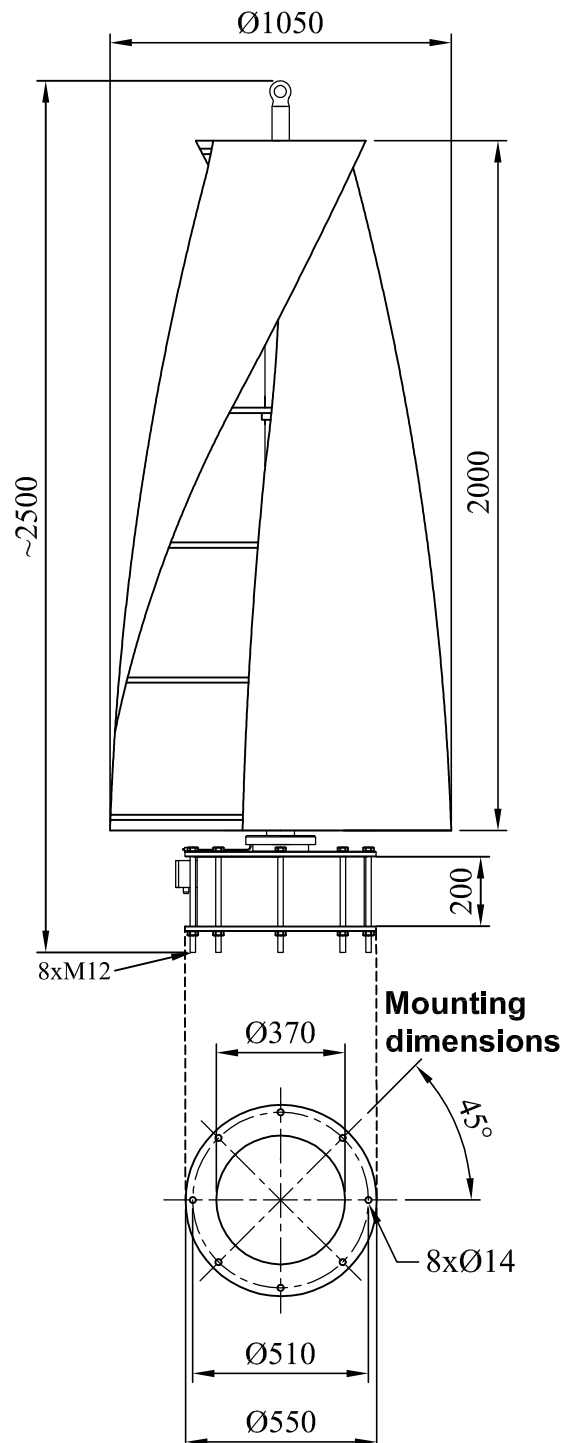
- 0,2-1,5 MWh per year depending on location

Materials:

- Vanes: fibre glass
- Fastenings: marine grade aluminium
- Shaft: steel
- Generator and Generator End Plates: hot dip galvanized steel or marine grade aluminium
- All bolts stainless steel or hot dip galvanized (A4, A2 or Zn)

Assets of Windside wind turbines:

- No need to stop or secure during storms
- Produces max. amount of energy in storms
- No need to be turned to the wind direction
- Soundless; 0 dB, measured in 2 meters distance from the vane
- Stands snow, frost, heat and humidity
- Long lifespan
- Minimum need of maintenance, only lubrication
- Safe to people, animals and nature



 **windside**
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