



G80-2.0 MW

Technical specifications

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General details

Rated power	2.0 MW ⁽¹⁾
Wind class	IEC IA
Control	Pitch and variable speed
Standard operating temperature	Range from -20°C to 30°C ⁽²⁾

Rotor

Diameter	80 m
Swept area	5,027 m ²
Power density	397.9 W/m ²

Blades

Length	39 m
Airfoils	NACA 63 XXX + FFA-W3
Material	Pre-impregnated epoxy glass fiber

Tower

Type	Tubular steel tower
Height	60, 67, 78 and 100 m

Gearbox

Type	1 planetary stage 2 parallel stages
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Generator

Type	Doubly-fed induction machine
Voltage	690 V AC
Frequency	50 Hz/60 Hz
Protection class	IP 54
Power factor	0.95 CAP-0.95 IND throughout the power range ⁽³⁾

⁽¹⁾ 2.1 MW nominal power upgrade available depending on the site.

⁽²⁾ Different versions and optional kits are available to adapt machinery to high or low temperatures and saline or dusty environments.

⁽³⁾ Power factor at generator output terminals, on low voltage side before transformer input terminals.