

TECHNICAL DATA

E-82 E2

Last updated: 08/2019. Technical information subject to change.

GENERAL

Nominal power	2,000 kW / 2,300 kW
Wind class (IEC)	IEC IIA
Wind zone (DIBt)	WZ III / WZ 4 GK I
Turbine concept	gearless, variable speed, full power converter
Design service life	20 years
Cut in wind speed	2.5 m/s
Cut out wind speed	34 m/s
Extreme wind speed at hub height (3-second gust)	59.5 m/s
Ambient temperature for normal operation	-10 °C to +40 °C
Extreme temperature range	-20 °C to +50 °C
Grid feed / control system	ENERCON inverter
Grid frequency	50 Hz / 60 Hz
Sound power level	86.8 - 106.0 dB(A)* Yield and noise-optimised operation. Further modes on request.

ROTOR

Rotor diameter	82 m
Swept area	5,281 m ²
Type	upwind rotor with active pitch control

TOWER

Hub height	IEC IA	IEC IIA	IEC IIIA
		78 m	
		84 m	
		85 m	
		98 m	
		108 m	
		138 m	

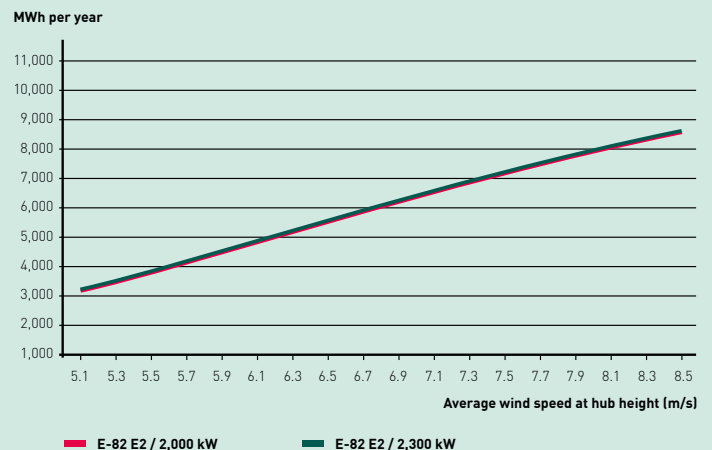
GENERATOR

Type	directly driven, separately excited annular generator
Cooling system	air/water cooling system

FEATURES

	STANDARD	OPTIONAL
FACTS and transmission	X	
ENERCON SCADA	X	
ENERCON storm control	X	
Ice detection system Power curve method	X	
Additional ice detection system		X
Blade heating system		X
Hot-Climate		X
Shadow shutdown		X
ENERCON SCADA bat protection		X
STATCOM		X
Inertia Emulation		X
Sector management for wind farms		X
Beacon management for wind farms		X

ANNUAL ENERGY YIELD



* dependent on hub height