

# XZERES 50

Distributed Wind Energy Systems

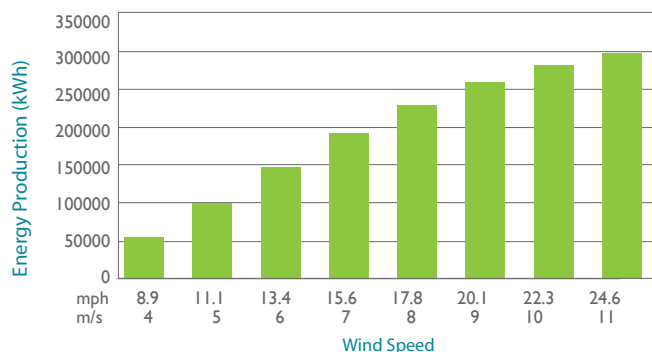


## Clean, Quiet, Reliable and Efficient Energy

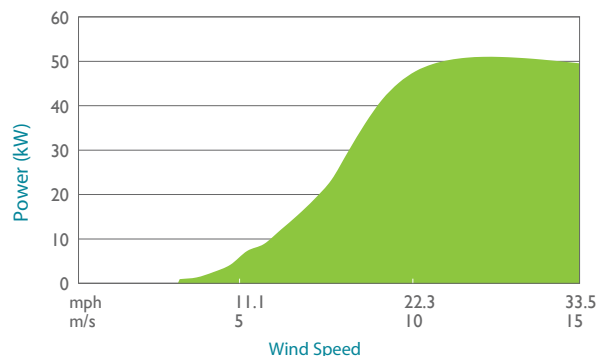
Our advanced permanent magnet direct drive technology not only improves the performance of all of our turbine systems but also dramatically improves reliability and decreases maintenance and repair problems.

## XZERES 50 Production Values

### Annual Energy Production



### Power Output



It's your turn

# XZERES 50

## Turbine Specifications

### General Specifications

Model	XZERES 50
Rated Power	51kW @11.0 m/s (24.60 mph)
DNC/TIC	53kW/55kW
Annual Energy Production	191,000 kW @ 7 m/s (15.6 mph)
IEC 61400-2	Class IIa
Rotor Diameter	16.5 m (54.1 ft)
Tower-top Weight	5,558kg (12,255lbs)
Swept Area	213.8 m <sup>2</sup> (2301.32 ft <sup>2</sup> )
Type	Upwind/3 Blades
Cut-in Speed	2.7 m/s (6 mph)
Rated Sound Level	40-45 db at 30 m (100 ft)
Operating Temperature	-10°C to 40°C (14°F to 104°F)
Extended Operation Temp	- 25°C to 50°C (-14°F to 122°F)

### Interface

#### Single Phase

Grid Support	230VAC-(1)
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#### Three Phase

Grid Support	480VAC-(3)
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### Turbine Construction

Blades	Fiberglass/Resin
Alternator	Permanent magnet
Body/Nacelle	Fiberglass/Resin

### Warranty

Design Life	20 Years
Limited Warranty	5 Years

### Certifications & Ratings

European Conformity	EN CE IEC
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