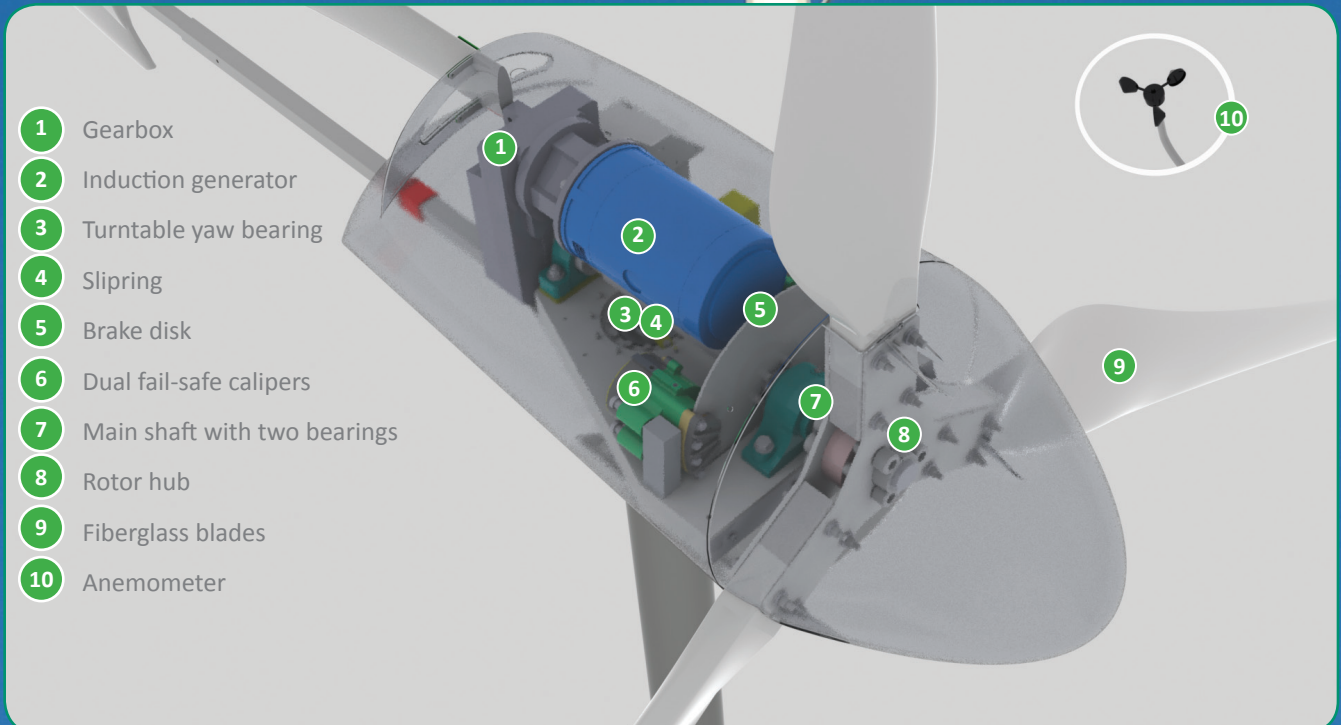


Endurance
wind power

GREEN ENERGY THAT WORKS

S-343
5 kW model



SPECIFICATIONS

S-343

TURBINE

Configuration	3 blades, horizontal axis, upwind
Rated power @ 11 m/s	5.2 kW
Applications	Direct grid-tie
Rotor speed	166 rpm
Cut-in wind speed	4.1 m/s (9.2 mph)
Cut-out wind speed	24 m/s (54 mph)
Survival wind speed	52 m/s (116 mph)
Design lifetime	30 years *
Overall weight	300 kg (661 lbs)

ROTOR

Rotor diameter	6.37 m (20.9 ft)
Swept area	31.9 m ² (343 ft ²)
Blade length	3.08 m (10.1 ft)
Blade material	Fiberglass / Epoxy
Power regulation	Stall control (constant speed)

GENERATOR

Type	Induction generator
Configuration	1 ϕ , 120/240 VAC split-phase @ 60 Hz, patented dual-voltage generation

BRAKE & SAFETY SYSTEMS

Main brake system	Rapid fail-safe mechanical brake on rotor shaft
Secondary safety	Redundant fail-safe mechanical brake on rotor shaft
Automatic shut down triggered by :	<ul style="list-style-type: none"> - High wind speed - Grid failure - Over-speed - All other fault conditions

CONTROLS

Control system	Field-programmable embedded controller
User interface	Wireless or wired networked software interface for remote monitoring and control

WARRANTY

Turbine & controls	5 years
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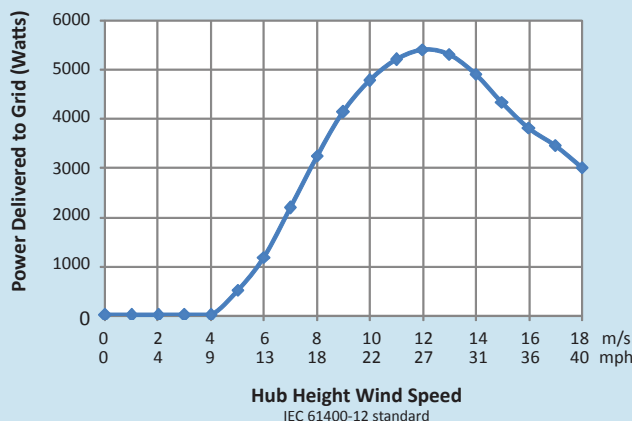
TOWERS

Types	Guyed, 31.1 m (102 ft) or 36.6 m (120 ft) Freestanding monopole, 27.5 m (90 ft)
Maintenance access	All towers are tiltable

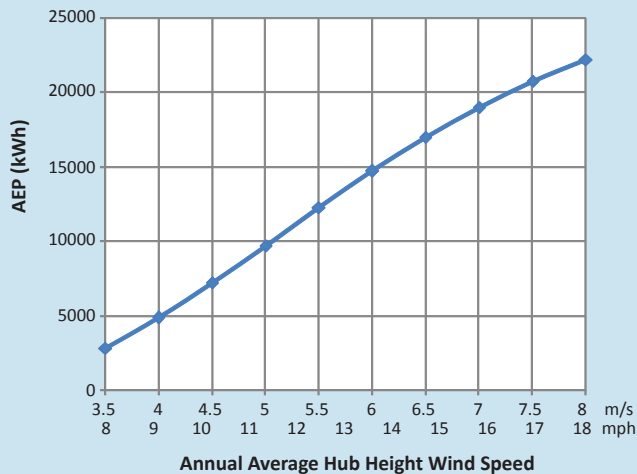
*Provided service and maintenance schedules are strictly followed



POWER CURVE



ANNUAL ENERGY PRODUCTION (AEP)



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