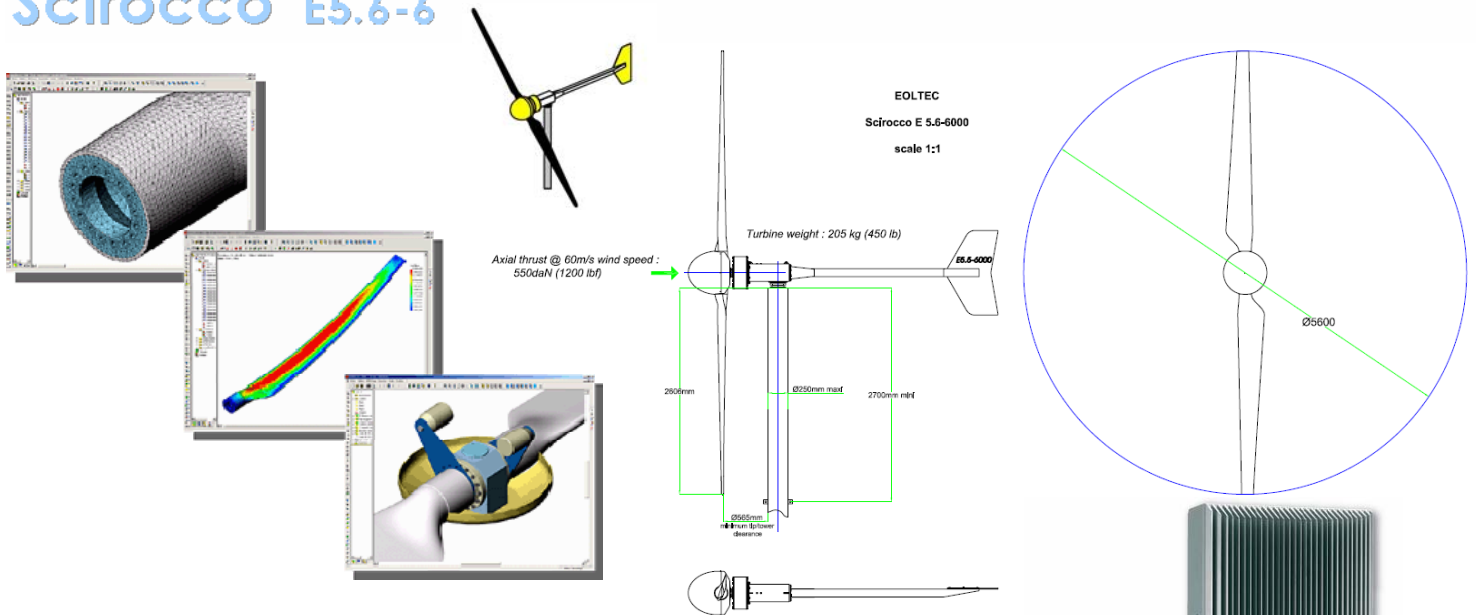




eoltec

Best Wind Technology for Highest Performances

Scirocco E5.6-6



The Scirocco wind turbine is designed for **high efficiency in low to medium wind speeds**. This performance is achieved with an **optimized two-blade design**, an **efficient direct drive PM generator**, and a **maximum power point tracking transformerless inverter**.

At high wind speeds, rather than furl (tip out of the wind), the Scirocco behaves like a utility-scale wind turbine and automatically adjusts blade pitch to maintain constant rotor velocity and constant power output.

These unique features make **the Scirocco the most powerful advanced wind turbine in its class**.



Wind Interface Box

Specifications

Rated Output Power: 6kW at 11.5 m/s and above (measured after inverter)
 Cut-in wind speed: 2.7 m/s (6mph)
 Survival wind speed: 60 m/s (134 mph)
 Rotor diameter / Swept area: 18.4 ft / 265 ft²
 Blades: 2 fiberglass-epoxy blades, aluminum root inserts
 Power and overspeed regulation: full span, sealed centrifugal pitch control system
 Brake: tower base forced blade stall mechanism
 Rotation speed: 80-245 rpm
 Tip speed: 23-70 m/s (52mph -157mph)
 Alternator: 6.5kW direct-drive permanent magnet, 3-phase wild AC
 Weight: 450 lbs
 Horizontal thrust: 5500 Newton (1200 lbs) at 60m/s (134 mph)
 Maintenance: annual inspection
 Warranty: 5 years

Coupled with an extremely robust and reliable inverter designed to last 25 years and to deliver true maximum output power on a continuous basis, the result is an outstanding source of renewable energy for grid-tie application.

- ◆ Transformerless design is up to 97% efficient (**96.5% Euro and CEC**).
- ◆ True sine wave outputs with self-selecting voltage capabilities.
- ◆ Anti-islanding protection.
- ◆ Very compact, 29.13in x 12.8in X 7.48in, IP65 (NEMA4) rated enclosure.
- ◆ Standard 5-year warranty.



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