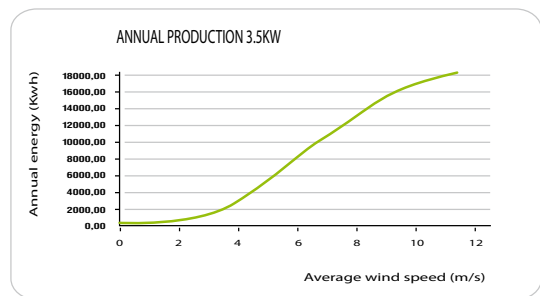
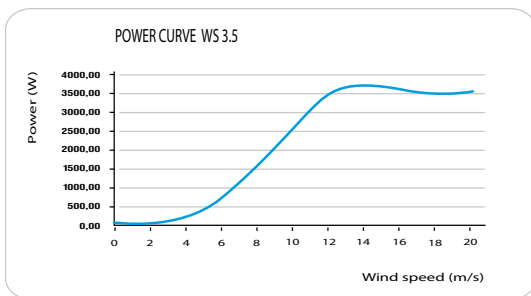


Technical sheet



Technical specifications

POWER	3.5 KW @ 250 rpm
ROTOR DIAMETER	4.05 m (13.4 ft).
CUT IN SPEED	3 m/s (6.7 mph).
RATED SPEED	12 m/s (26.8 mph).
WEIGHT	185 kg (407 lb).
TOTAL LENGTH	3.2 m. (10.5 ft).
STIMATED ANNUAL PRODUCTION	5550-11300 Kwh. (5-7 m/s : 11.2-15.7 mph).
CO2 SAVED	3610/7350 kg (5-7 m/s) / 8000-16200 lb (11.2-15.7 mph).
TYPE	Up-Wind horizontal rotor
GENERATOR	Synchronous, permanent magnets; 3 phases, 24-48-120-220 V , 50/60Hz
YAW CONTROL	Passive system: Yaw tail
POWER CONTROL	Passive variable pitch system, centrifugal and absorbed (design patented)
TRANSMISSION	Direct
BRAKE	Electric
CONTROLLER	On-grid or off-grid connection option
BLADES	Polyester resin reinforced with Fiber glass
INVERTER	Efficiency \approx 95% ; Algorithm MPPT
NOISE	37 dB (A) from 60 m. (65 yd) with a wind speed of 8m/s (18 mph).
ANTI-CORROSION PROTECTION	Sealed design + e-coat + galvanizing + anodizing + UV resistant paint
TOWER	12, 14 and 18 m. (39.3 and 53 ft); hydraulic or mechanical lay down system
DESIGN	According to IEC61400-2
SURVIVAL WIND SPEED	60 m/s (class 1 according to IEC61400-2)
TEMPERATURE RANGE	-20 C / 50 C (extrem conditions according to IEC 61400-2)

