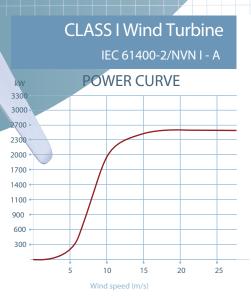
## E30 PRO Wind Turbine

## **Penair** DATA SHEET

With average wind speed of 11m/s the model Enair 30PRO is capable of generating more than 30kWh/day

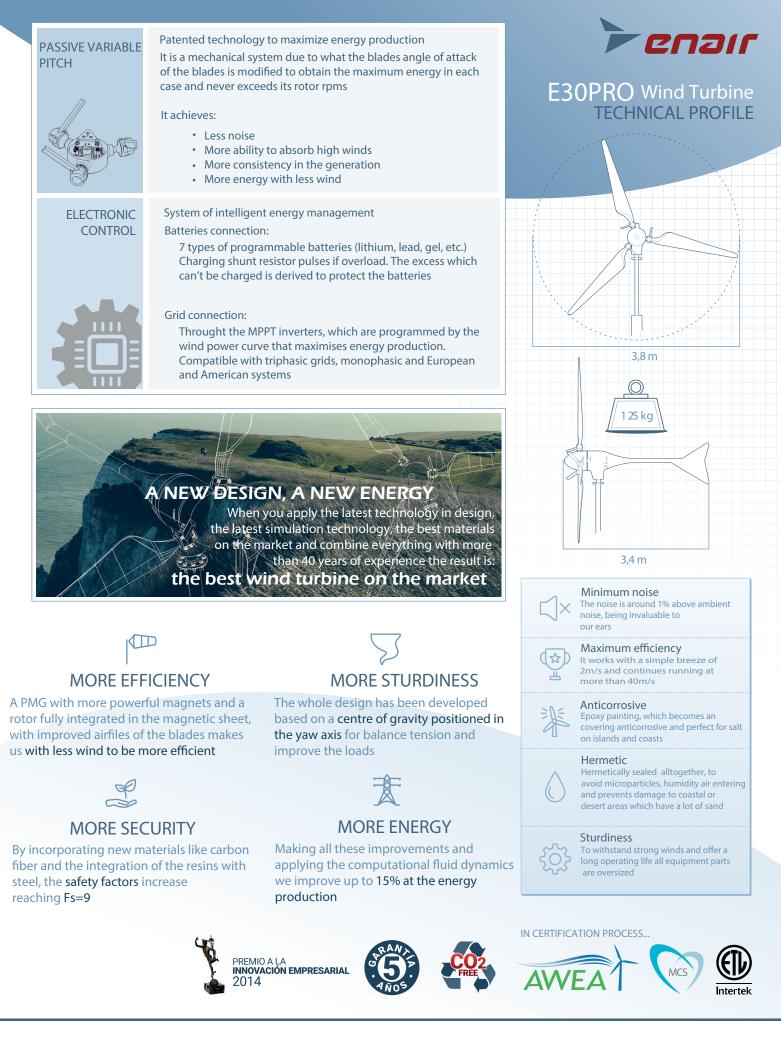
## TECHNICAL, ELECTRICAL AND OPERATIONAL FEATURES

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Number of Blades	3
Blades material	Fibreglass resins and polyurethane core.
Generator	250 rated rpm   neodymium magnets
Power	3000W
Rated power curve	1900W (Acording to IEC 61400-2)
Voltage	24 / 48 / 220V
Wind class	CLASS I - IEC 61400-2/NVN I - A
Diameter	3,8m
Turning sense	Clockwise
Swept area	11,34m <sup>2</sup>
Weight	125kg
Applications	Charging 24 or 48V batteries and grid connection
Wind to start	1,8m/s
Rated speed	11m/s
Speed regulation of pitch	12m/s
Survival speed	60m/s.
Efficient generation range	From 2 to 60m/s.
Туре	Upwind horizontal rotor.
Orientation	Rudder passive yaw system.
Power control	Variable passive centrifugal pitch system with 2 actuation speeds
Transmission	Direct
Brake	Electric by short and aerodynamic by variable pitch
Controller	Grid connection and battery charging.
Inverter	Efficiency 97%; MPPT algorithm.
Noise	48dB   Reduction to a minimum: due to the design of the blades and the low revolutions. 1% more than ambient wind noise
Anti corrosive protection	Airtight, hight-temperature bake-drying epoxy painting, generating a plastic coating
Tower	Lattice, clip, tubular. Variable height axles can be folded according to conditions



ANNUAL PRODUCTION kWh 10000 9000 8000 7000 6000 5000 4000 3000 2000 1000 10 12 2 4 6 8 Wind speed (m/s)





Avenida Ibi, 44 – P.O. 182 C.P. 03420 | Castalla (Alicante), Spain +34 96 556 00 18 🛛 info@enair.es