

WIND TURBINE
ECOROTE 2800

CODE: HIP-TURBINA2800



DESCRIPTION AND TECHNICAL CHARACTERISTICS:

The 2800W wind turbine is a modern and efficient device designed for sustainable energy harvesting from renewable sources. This turbine stands out not only for its high efficiency but also for its robust construction and advanced technologies that enable the effective utilization of wind energy.

Designed to withstand various weather conditions, the wind turbine ensures stable operation even in extreme conditions. With the application of advanced control technologies and brakes, this turbine is not only efficient but also environmentally friendly and safe for both the environment and people. It is suitable for both grid-connected installations (connected to the power grid) and off-grid applications (not connected to the grid) and can also be used in hybrid systems, making it a versatile solution for renewable energy production.

TECHNICAL DATA:

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| Turbine power | 2800W |
| Rotor diameter | 2,2 M |
| Turbine height. | 3 M |
| Start-up speed | 1,25 M/S |
| Rated speed | 12 M/S |
| Total weight | 175 KG |
| Blades and arms | Aluminum construction tested for strength in extreme conditions. |
| Brake | Electromagnetic and electromechanical |
| Operating system | On grid / Off Grid / Hybrid |
| Controller | Microprocessor |
| Generator output voltage | AC |
| Noise level acc to PN-EN 61400-11 standards | <46 db at 8 M/S distance of 60 M |
| Operating temperature | From -40 °C till 70 |
| Corrosion protection | Anodizing, galvanizing, C5+M paint coating |
| Usable mast types | Concrete poles, metal poles, trusses, and roof bases - the possibility of producing structures according to individual orders. |
| Mast dimensions | From 2 to 25M |
| Compliance with standards | CE, IEC 61400-2, 61400-11 |
| Turbine warranty | 5 years* |

*possibility of paid extension of the turbine warranty up to 10 years