

WIND TURBINE
ECOROTE 1000

CODE: HIP-TURBINA1000



DESCRIPTION AND TECHNICAL CHARACTERISTICS:

The 1000W wind turbine is a modern solution for individuals seeking an efficient and environmentally friendly source of electrical energy. Thanks to its sturdy construction and advanced technologies, this wind turbine enables stable electricity production from wind. It is a versatile solution that can be used in both urban and rural areas.

A turbine with these parameters not only provides a safe and reliable source of electrical energy but is also environmentally friendly, eliminating greenhouse gas emissions. Its ability to work both on-grid (connected to the power grid) and off-grid (not connected to the grid), as well as its capacity to operate in hybrid mode, makes it ideal for various applications, from private homes to industrial sites. Fully compliant with safety standards and ready to operate in different weather conditions, it serves as a reliable source of electrical energy for every user.

TECHNICAL DATA:

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| Turbine power | 1000W |
| Rotor diameter | 1 M |
| Turbine height. | 2,17 M |
| Start-up speed | 2 M/S |
| Rated speed | 12 M/S |
| Total weight | 52 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 till 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