

WIND TURBINE
ECOROTE 300

CODE: HIP-TURBINA300



DESCRIPTION AND TECHNICAL CHARACTERISTICS:

The ECOROTE 300 wind turbine is a compact and efficient source of electrical energy, ideal for individuals seeking a small-scale and economical solution within the realm of renewable energy sources. Its robust construction and advanced technologies make it perfect for use in small households, garden sheds, or as an auxiliary power source for off-grid systems.

The ECOROTE 300 turbine is the solution for those who want to harness wind energy in places where access to traditional energy sources might be difficult. Its low starting speed allows for efficient operation even in light winds, and its advanced braking system and controller ensure safe operation and easy integration with hybrid or off-grid systems. Compliance with safety standards and the ability to adjust the mast height make this turbine a versatile solution for various energy needs.

TECHNICAL DATA:

Turbine power	300W
Rotor diameter	1 M
Turbine height.	1,2 M
Start-up speed	2 M/S
Rated speed	10 M/S
Total weight	48 KG
Blades and arms	Aluminum construction tested for strength in extreme conditions.
Brake	Electromagnetic
Operating system	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