

WIND TURBINE WITH A CAPACITY OF 4 kW



Areas of Application

The wind turbine is to be used for converting the wind kinetic energy into electricity in the areas with average annual wind speed of 3 m/s and more

Specification

Rated capacity, kW	4
Rotor diameter, m	6.8
Number of blades, pcs	3
Rotor speed, rpm	140
Height of support, m	17

Advantages

In comparison with the world analogues this wind turbine has the following advantages: it is adapted to the wind conditions of Ukraine in terms of average annual wind speed; it has a centrifugal rotor speed regulator that protects the plant at storm winds; it uses a generator with constant magnets based on serial asynchronous electric motor; it utilizes an expanded range of wind speed due to an impulse charging block

Stage of Development.

Suggestions for Commercialization

IRL3, TRL2

Seeking partners for serial production; customized product can be developed upon request; recommendations on plant siting can be provided

IPR Protection

IPR1, IPR3

Contact Information

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