

Adding **Green** Energy to Life, Value to the World



SoyutWind 1000 kW

Empower Your Future
Transition to Green Energy



SoyutWind 1000 kW, with a rated power of 1000 kW and a 70-meter rotor diameter, delivers impressive energy yields, offering long-term benefits with minimal operational costs throughout its lifespan.

► Designed to achieve high power output while maintaining low noise levels, SoyutWind 1000 kW starts generating electricity at wind speeds as low as 3 m/s, making it effective in various wind conditions.

Key Benefits

► Proven and Efficient

Featuring Permanent Magnet Generator (PMG) technology, SoyutWind 1000 kW optimizes energy capture and outperforms traditional geared turbines, significantly lowering maintenance costs by reducing the need for complex repairs.

► Tailored for Low to Medium Wind Conditions

SoyutWind 1000 kW is specifically engineered for sites with low to medium wind speeds, performing optimally in areas where the average annual wind speed ranges between 5 and 7.5 m/s.

► Highly Reliable

Reinforced blades and compliance with the stringent IEC 61400-1 design standards ensure exceptional reliability, allowing the turbine to endure extreme weather, including hurricane-force winds.

► Grid Connection

An integrated grid interface cabinet facilitates a seamless connection to the low-voltage grid.

2 Year Warranty

Our warranty covers the turbine for up to 2 years, with service plans that can extend up to 20 years. A variety of service packages are available to accommodate different customer requirements.

SPECIFICATIONS

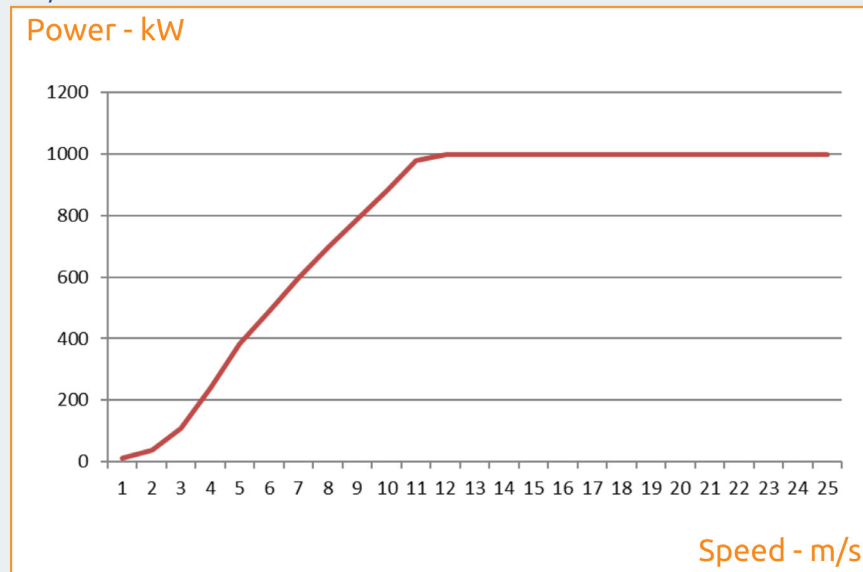
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On Grid System

Rated Wind Speed	12 m/s
Cut-in Wind Speed	3 m/s
Cut-out Wind Speed	25 m/s
Rotor Diameter	58 - 70 m
Swept Area	3.848,5 m ²
Tower Height	65 - 70 m
Operating Temperature	-30° C – + 50° C
Blade Type	Fiberglass Composite
Tower Type	Tubular Steel
Yaw System	Electric
Pitch Control	Electric
Control System	PLC
Brake	Electromagnetic / Hydraulic
Alternator	Synchronous / Asynchronous / 3 Phase (PMG)
Voltage	110/220/400/690 VAC - 50/60 Hz
Wind Speed Sensor	Yes
Temperature Sensor	Yes
Remote Control and Monitoring	Yes
Lightning Protection	Yes



SoyutWind 1000 kW Power Curve



Wind Speed (m/s)		0	1	2	3	4	5	6
Power (kW)		0	11	36	109	242	384	491
7	8	9	10	11	12	13	14-25	
596	697	787	881	979	1000	1000	1000	



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