

Bring Green Energy to Your Home, Add Value to the World



SoyutWind 10 kW

10 kW Home Wind Turbine is an ideal solution for families and small business owners looking to start their transition to green energy.

SoyutWind 10 kW offers a dependable energy solution for small-scale applications with its 10 kW rated power and 7.5 meter rotor diameter. Its compact and robust design provides long-term benefits with minimal operational costs, making it an excellent choice for residential, small business, and off-grid use.

► Designed to deliver efficient power output while maintaining low noise levels, SoyutWind 10 kW is suitable for both urban and rural settings. It starts generating electricity at wind speeds as low as 3 m/s, making it effective even in areas with low wind conditions.

Key Benefits

► Efficient and Low Maintenance

Featuring Permanent Magnet Generator (PMG) technology, SoyutWind 10 kW maximizes energy capture and eliminates the need for complex gear systems. This results in lower maintenance costs and increased efficiency.

► Optimized for Low to Medium Wind Speeds

Engineered specifically for areas with low to medium wind conditions, SoyutWind 10 kW performs efficiently where average wind speeds range between 3 to 6 m/s.

► Compact and Reliable

Its compact size and reinforced blades ensure long-term reliability, making it durable enough to withstand a variety of weather conditions, ideal for residential or small-scale applications.

► Flexible Grid Connection Options

Whether for off-grid systems or grid-tied setups, SoyutWind 10 kW can be easily integrated with existing energy systems.

Warranty and Service Plans

SoyutWind 10 kW comes with a 2-year warranty, with service plans available that can extend coverage up to 5 years. A range of service packages is offered to meet various customer needs.

SPECIFICATIONS

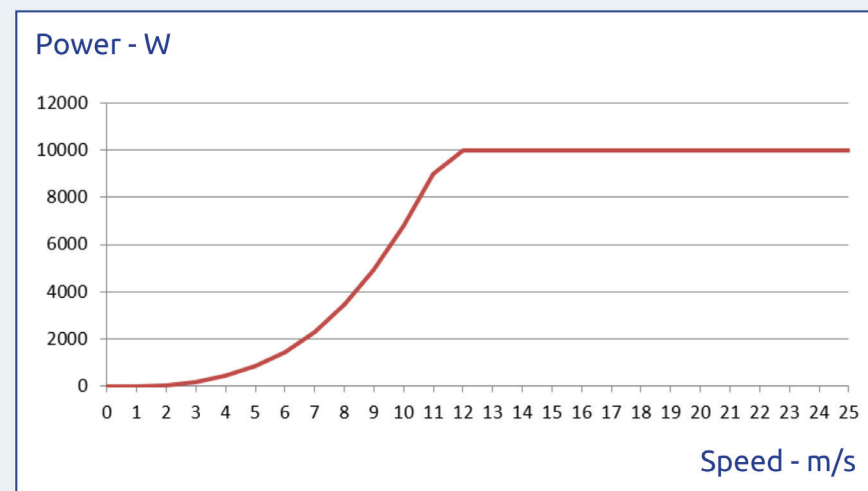
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Off Grid System

Rated Wind Speed	12 m/s
Cut-in Wind Speed	3 m/s
Cut-out Wind Speed	25 m/s
Rotor Diameter	7,5 m
Swept Area	44,18 m ²
Tower Height	8,5 m
Operating Temperature	-30°C – + 50°C
Blade Type	Fiberglass Composite
Tower Type	Steel Lattice
Yaw System (Facing - Avoiding)	Furling
Gearbox	No
Control System	PLC
Brake	Electromagnetic
Alternator	3 Phase Permanent Magnet (PMG)
Voltage	110/220/400 VAC - 50/60 Hz
Wind Speed Sensor	Yes
Temperature Sensor	Yes
Remote Control and Monitoring	Yes
Lightning Protection	Yes
Battery Voltage	24V - 48V - 96V



SoyutWind 10 kW Power Curve



Wind Speed (m/s)			0	1	2	3	4	5	6
Power (W)			0	7	54	183	433	846	1461
	7	8	9	10	11	12	13	14-25	
	2320	3464	4932	6765	9004	10000	10000	10000	



Factory:

Cumhuriyet Mahallesi Eskişehir Yolu 55. km
No:24 Temelli, Sincan Ankara-TURKIYE

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