

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



SoyutWind 20 kW

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

SoyutWind 20 kW offers a dependable energy solution for small-scale applications with its 20 kW rated power and 11 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 20 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 20 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 20 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 20 kW can be easily integrated with existing energy systems.

Warranty and Service Plans

BC20 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

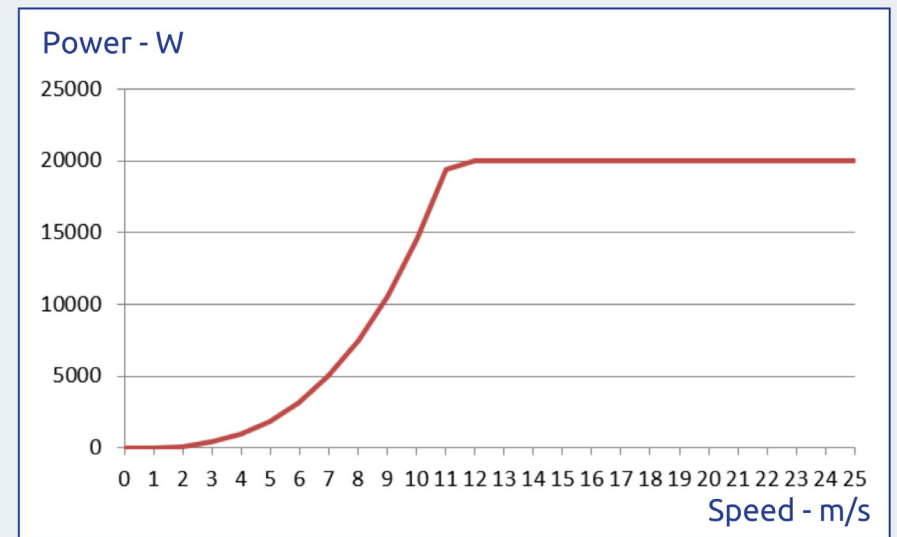
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Off Grid System

Rated Wind Speed	12 m/s
Cut-in Wind Speed	3 m/s
Cut-out Wind Speed	25 m/s
Rotor Diameter	11 m
Swept Area	95 m ²
Tower Height	12 m - 14 m
Operating Temperature	-30°C – + 50°C
Blade Type	Fiberglass Composite
Tower Type	Steel Lattice
Yaw System	Electric
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 20 kW Power Curve

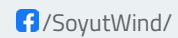
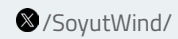
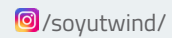
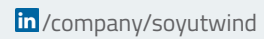


Wind Speed (m/s)		0	1	2	3	4	5	6
Power (W)		0	15	116	383	931	1819	3141
7	8	9	10	11	12	13	14-25	
4991	7451	10608	14552	19369	20000	20000	20000	



Factory:

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SoyutWind is a subsidiary of ÇOLAK Holding A.Ş.