Skywing Wind Turbine FD12.0-30000 Wind Turbine

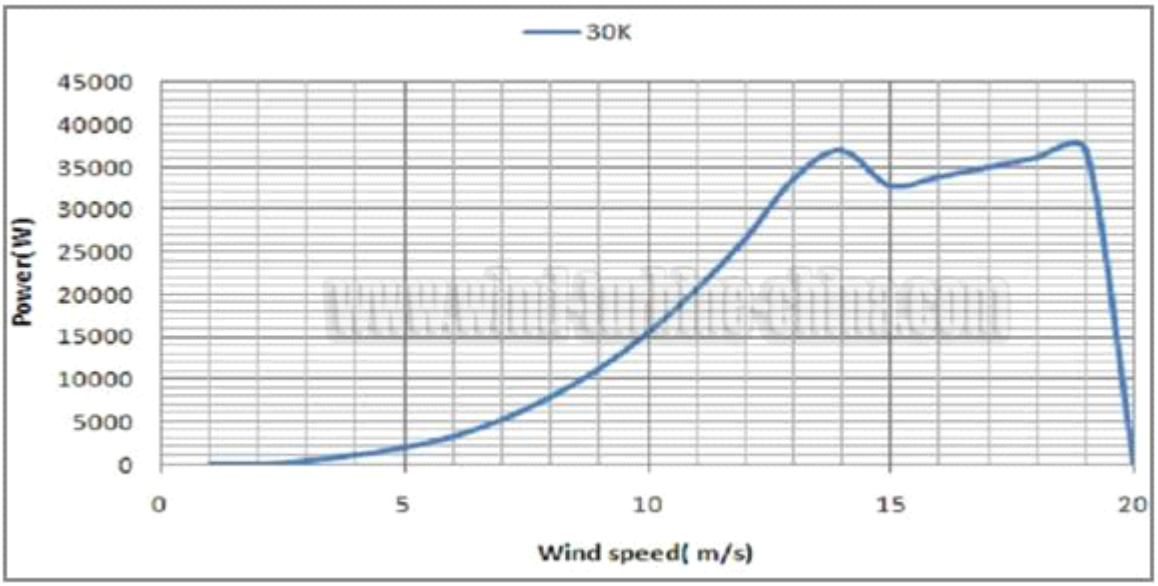
Introduce:

30000W wind turbine is permanent magnet generator set, the rotor is made of neodymium iron boron which is rare earth Permanent magnetic material, whose high magnetism raises the generator rotor more effectively. The stator is made of very high Quality magnet steel which makes the efficiency of the generator much more better than other kinds of products. Reduce the resistance moment of the generator effectively.With high quality fiber glass, designed by patient curve, which have very good pneumatic performance, it start very easy, resist strong wind capability, efficiency.

Feature:

1. Magnetic saturation generator design, 20 years designed lifetime.
2. 3m/s start-up wind speed under Low - torque start-up technique.
3. Mechanical automatic yawing.
4. Matched controller with PWM constant voltage charging, electronic and manual brake, and numeral panel display.
5. special wind blades design，can reach max rotor power coefficient.
6. Supporting off grid and grid tie wind power system.

Power Curve:



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Specification:

Rated Power (W)	30000W
Max Power (W)	36000W
Rated Voltage (DCV)	240V
Rated Current (A)	83A
Efficiency	85%
Output Voltage of Inverter	Single phase 110V-120V 60HZ or 220-240VAC/50HZ
Rotor Diameter(m)	12m
Start-up Wind Speed(m/s)	3m/s
Direction (Looking Downwind)	Clockwise
Location Relative to Tower	Upwind
Rated Wind Speed(m/s)	12.5m/s
Security Wind Speed(m/s)	50m/s
Protection Mode	Yaw, Hydraulic brake, Dumpload
Rated Rotation Speed(r/m)	75r/m
Shell Material	Aluminum Alloy
Blade Material	GFRP
Turbine angle	6°
Annual yield(kwh)	24000kwh
Yaw mode	Manual/Auto
Blade Quantity	3pcs
Free-Standing Tower	18m
Hydraulic Tower	18m
Suggested Battery Capacity	12V200Ah 80 pcs
Control System	Controller and Pure Sine Wave Inverter(3 phase for optional)
Standard Supply Scope	Complete Wind Turbine System including turbine, hub,controller ,off grid inverter, blades, tower, cables and other accessories
Turbine Life Span	Around 20 years under normal wind conditions

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