

Skywing Wind Turbine

FD4.0-3000 Wind Turbine

Feature:

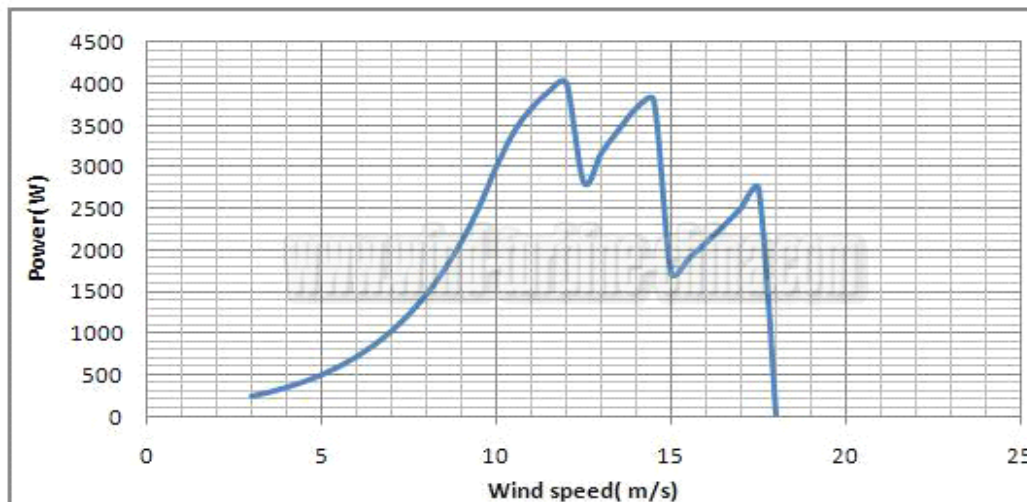


3000W [wind turbine](#) is permanent magnet generator set, the rotor is made of neodymium iron boron which is rare earth permanent magnetic material, whose high magnetism raises the generator rotor more effectively. The stator is made of very high quality magnet steel which makes the efficiency of the 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:



Specification:

| | |
|------------------------------|--|
| Rated Power (W) | 3000W |
| Max Power (W) | 4000W |
| Rated Voltage (DCV) | 240V |
| Rated Current (A) | 12.5A |
| Efficiency | 85% |
| Output Voltage of Inverter | Single phase 110V-120V 60HZ or 220-240VAC/50HZ |
| Rotor Diameter(m) | 4.5m |
| Start-up Wind Speed(m/s) | 3m/s |
| Direction (Looking Downwind) | Counterclockwise |
| Location Relative to Tower | Downwind (Upwind Optional) |
| Rated Wind Speed(m/s) | 10m/s |
| Security Wind Speed(m/s) | 45m/s |
| Protection Mode | Dumpload |
| Rated Rotation Speed(r/m) | 300r/m |
| Shell Material | Aluminum Alloy |
| Blade Material | GFRP |
| Blade Quantity | 3pcs |
| Guy-Cable Tower | 12m |
| Free-Standing Tower | 12m |
| Hydraulic Tower | 12m |
| Suggested Battery Capacity | 12V100Ah 20 pcs |
| Control System | Controller and Pure Sine Wave Inverter |
| 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 |