



WIND POWER ENERGY

Wind Turbine products detail

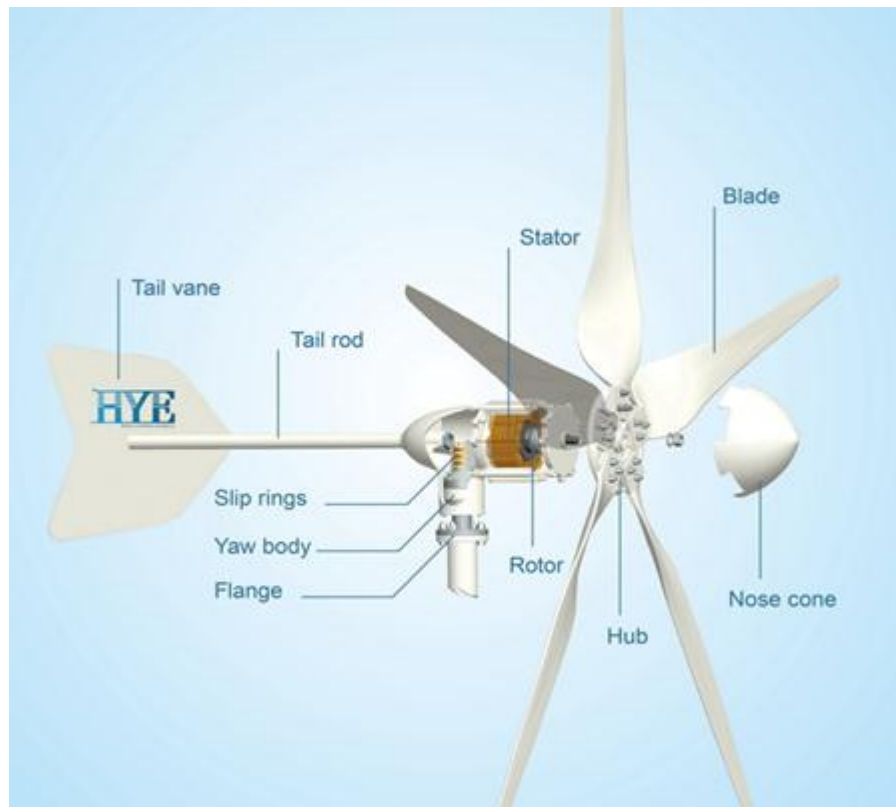
HY-1000



HY-1000 Wind Turbine Features:

- ✓ 5 blade designed for low wind area, light breeze start up
- ✓ Amazingly quiet operation with minimal vibration
- ✓ Electromagnetic braking and blade aerodynamic braking
- ✓ High efficiency achieved by perfect match on the generator and blades
- ✓ Extreme weather resistance
- ✓ Extreme wind resistance
- ✓ Anti-rust & anti-corrosion
- ✓ Light weight, easy installation
- ✓ Long lifetime, maintenance-free

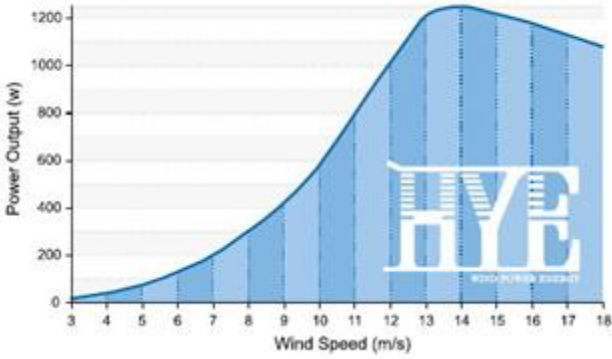
Wind Turbine Design Structure:



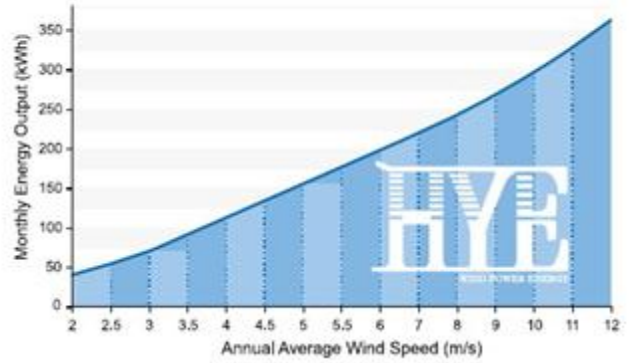
Technical Specifications:

Model	HY-1000	
Rated Output	1000W	
Peak Output	1200W	
Rated Voltage	off-grid: DC24/48V	on-grid: DC48/110V
Start-up Wind Speed	2 m/s or 4.5mph	
Cut-in Wind Speed	2.5m/s or 5.6mph	
Rated Wind speed	12m/s or 26.8mph	
Working Temp. range	from -40°C to 60°C	
Survival Max. wind	50m/s or 110mph	
Over-speed control	Electromagnetic & blade aerodynamic braking	
Number of Blades	5	
Rotor Diameter	1.96m	
Swept Area	3m ²	
Blade Material	Nylon fiberglass reinforced composite	
Generator Type	Brushless 3-phase PMA with high performance Neodymium Magnets	
Tower-top Weight	28kg	
Tower Type	self-supporting, guyed, tilt-up tower or rooftop mounting etc.	
Controller Type	PWM	
Applications	solar & wind hybrid lighting, on/off-grid power system etc.	
Product Life	15 years	
Warranty	3 years (optional 5 years)	
Years on Market	5 years	
Certificate	CE, RoHS, ETL, ISO9001:2008, ISO14001	
Measurement	146*53*26cm	
Gross Weight	32kg	

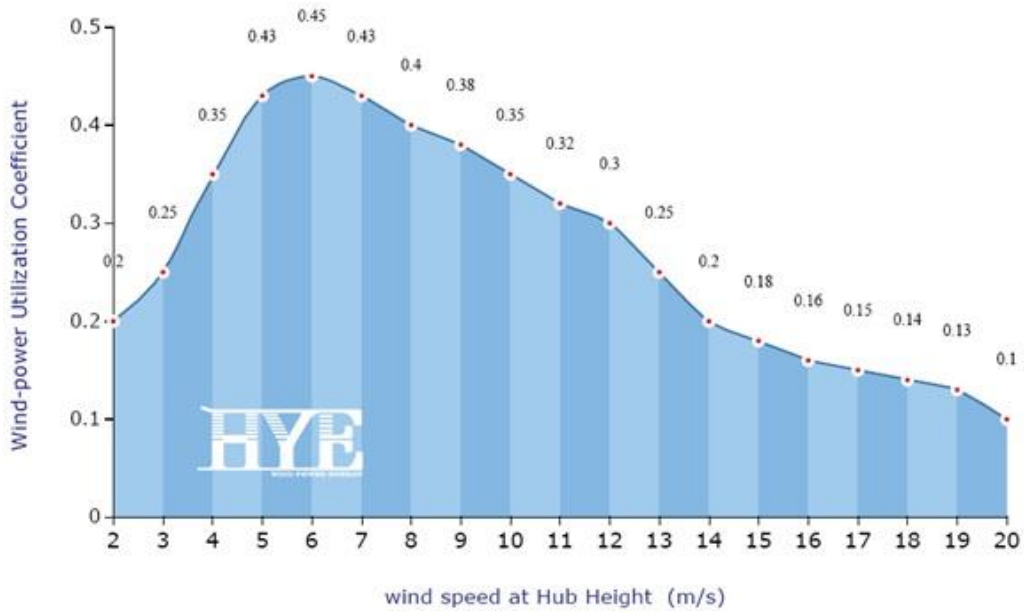
HY- 1000 Wind Turbine Power Curve



HY- 1000 Monthly Energy Output



HY-1000 Wind-power Utilization Coefficient Curve:Standard Air Density(1.225 kg/m³)



Wind Turbine Noise Level on HY-1000
(Standard Air Density(1.225 kg/m³))

