

## HY-3000 Wind turbine specification



Model	HY-3000
Rated Output	3000W
Peak Output	3500W
Rated Voltage(V)	Off-grid: DC48/110; On-grid: DC110/220
Start-up Speed	2m/s or 4.5mph
Cut-in Speed	2.5m/s or 5.6mph
Rated Rotor Speed (RPM)	700
Rated Wind speed(m/s)	12m/s or 26.8 mph
System average Cp.	≥0.36
Rated Charging Current (A)	Off-grid: 62.5/27.3
Noise Level	<30dB (5m behind turbine @ 5m/s gusting)
KWH/month (monthly avg.V=5.5m/s)	495
Working Temp. range °C	from -40°C to 60°C
Survival Max. Wind	60m/s or 110mph
Over-speed Control	Electromagnetic & blade aerodynamic braking
Number of Blades	5
Rotor Diameter(m)	3
Swept Area (m <sup>2</sup> )	7.07
Blade Material	Reinforced nylon glass-fiber
Generator Type	Brushless 3-phase PMA with high performance Neodymium Magnet
Generator Material	Aluminum alloy body & precision stainless steel rotor
Net Weight	70KG
Tower Connection	Flange connection or reducing joint
Controller Type	PWM or with low voltage charging function
Applications	Stand alone, solar & wind hybrid system, grid-tie system etc.
Product Life (years)	15
Warranty (years)	3
Years on Market	4
Certificate	ISO9001:2008, CE, RoHS, ETL

