



广州红鹰能源科技有限公司  
Guangzhou HYEnergy Co.,LTD

## HY-1500 Wind turbine specification



Model	HY-Pegasus 1500
Rated Output	1500W
Peak Output	1800W
Rated Voltage(V)	Off-grid: DC48/110; On-grid: DC48/120/180
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 26.8mph
System average Cp.	≥0.38
Rated Charging Current (A)	Off-grid: 31.2/13.6
Noise Level	<20dB (5m behind turbine @ 5m/s gusting)
Working Temp. range °C	from -40°C to 60°C
Survival Max. Wind	60m/s or 133mph
Over-speed Control	Electromagnetic, magnetic damping & blade aerodynamic braking
Number of Blades	5
Rotor Diameter(m)	2.05
Swept Area (m2)	3.3
Blade Material	reinforced nylon glass-fiber
Generator Type	Brushless 3-phase with permanent Neodymium Magnet
Generator Material	Aluminum alloy body & precision stainless steel rotor
Net Weight	35KG
Tower Connection	flange connection or bolt-on clamp
Controller Type	PWM or with low voltage charging function
Applications	stand alone, solar & wind hybrid system or grid-tie system etc.
Product Life (years)	20
Warranty (years)	5
Certificate	ISO9001:2008, CE, RoHS, ETL

