HAWT-5KW WIND GENERATOR QUOTATION SHEET (on-grid)

Model	Specifications	5KW	Components or Function
	Blades rotor diameter	5 m (16.4 ft.)	
	Blade material and quantity	3 Pcs / FRP	
	Rated power	5000W	
	Max power	7000W	Including generator blades,nose cone,tail vane ,tail rob.
	Rated rotate speed	260(r/min)	
	Start up wind speed	3 m/s (6.72 mph)	
	Rated wind speed	10m/s (22.4mph)	
	Working wind speed	3-25m/s (6.72-56 mph)	Advantage:
	MAX.Design wind speed	50m/s (112mph)	20 years lifelong times
	Protection method	Tail vane Autolean	30% more energy output
	Optional Output Voltage(DC)	220V	Maintanance free
	Top weight	410 kg	Rust prevention
	Generator Type	PMG AC Direct Drive	SKF bearing
	Generator Material /surface treatment	Cast iron body+copper wire+electrostatic painting	High quality permanent Magnent
Wind generator	Swept area	19.625 m2	low noise
Controller	On-grid controller	Wind power : 5KW Function: rectifier ,control Operating environment: Temperature -10-40 ℃,humidity≤80% PWM constant pressure voltage: ≥380dc 3-phase load voltage of the wind turbine: 410±5Vdc Time-lapse of the wind turbine 3-phase load: 12-20 min Low-valtage: ≤200Vdc PWM Fuse: 16A	2 After the DIVING a 1000/ upleaded if the DC valtered
Invertor	On-grid inveter	ModelG5KD Rating capacity 5 KVA Rating AC output power 5KVA Max. AC output power6KVA Isolation: Low frequency transformer isolation Recommending wind turbine power: 6KVA Max. AC open circuit voltage :780VDC MPPT range : 200~780VDC Max. DC Input current :25A DC connecting mode: In-line waterproof terminal	 Mitsubishi company IPM power components. American ATEMEL company microprocessor figure controller. MPPT (Maximum Power Point Tracking) technology. circuit frame compact,Max. Efficiency ≥94% input voltage range wide,MAX. can be 1150VDC RS232/485 communication,multi communication interface can be selected pure sine wave output,automatically synchronized with the grid tracking,power factor close to 1, Current low harmonic content, non-polluting power grid, no impact Inverter current closed-loop control, power controllable
<image/> <section-header></section-header>	Free Folding tower	Height of pole: 8 m (26.24 ft. higher available) Thickness: 5 mm Tower top diameter: 150 mm Tower bottom diameter:430 mm weight:777 kg Material: Q235 Steel pipe Surface treatment: Hot-dip galvanizing spray	tower poles,base,cables,anchors, bolts etc. Small package size ,easy transport and save freight .





并网风力发电系统示意图 On-grid wind turbine system

Polyrubber Wind Generator Co., ltd