

VAWT 2KW WIND GENERATOR QUOTATION SHEET(on-grid)

Model	Specifications	CAT-V-2kW		Components
	Rated power	2000W		Including generator host, blades,hub,blades support wings
	Max Power	2500W		
	Blades rotor diameter	2.6m (6.56 ft.)		
	Height of Blades	2.6m (8.528 ft.)		
	Brake Method	Electromagnetic brake+PWM+3Phase dump load		
	Blade material and quantity	5Pcs / FRP		
	The top of weight	150KG		
	Rated rotate speed	170(r/min)		
	Rated wind speed	9m/s (20.16mph)		
	Start up wind speed	1.5 m/s (3.36 mph)		
	Working wind speed	3-25m/s (6.72-56 mph)		
	MAX.Design wind speed	50m/s (112mph)		
	Output Voltage(AC)	96V/48V		
	Generator type	3phase PMG AC generator		
	Dump load rating	4kw		
Wind generator	Sweep wind area	5.2 m2		
	On-grid controller	Wind power: 2KW Function: rectifier ,control Operating environment :Temperature -10-40℃,humidity≤80% PWM constant pressure voltage: ≥270Vdc 3-phase load voltage of the wind turbine: 300±5Vdc Time-lapse of the wind turbine 3-phase load :12-20 min Low-voltage : ≤200Vdc PWM Fuse: 10A 3Phase dump load		1. When the grid-connected inverter breaks down or the electricity network is lost, the braking protection of the wind turbine can start automatically. 2. In a strong wind, the controller can automatically stabilize the voltage through PWM toward the wind turbine and the power is continuously supplied to the grid-connected inverter. 3. After the PWM is 100% unloaded, if the DC voltage value is still higher than the required value, the controller can automatically brake the wind turbine and the power supply to the grid-connected inverter is cut down.
	On-grid inveter	ModelG2KD Rating capacity 2 KVA Rating AC output power2KVA Max. AC output power 2.4KVA Isolation: Low frequency transformer isolation Recommending wind turbine power: 2.4KVA Max. AC open circuit voltage :780VDC MPPT range :100~780VDC Max. DC Input current :10A DC connecting mode: In-line waterproof terminal		1. Mitsubishi company IPM power components. 2. American ATEMEL company microprocessor figure controller. 3. MPPT (Maximum Power Point Tracking)technology. 4. circuit frame compact,Max. Efficiency≥94% 5. input voltage range wide,MAX. can be 1150VDC 6. RS232/485 communication,multi communication interface can be selected 7. 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 8. Inverter current closed-loop control, power controllable 9. big-screen LCD, perfect display, interface-friendly.
	Free stand tower	Height of pole:6m (19.68ft) Pole Thickness4 mm Top diameter:100mm Bottom diameter:310mm Tower segment :2 segments Surface treatment: hot -dip galvanizing spray		Including tower poles,base,cables,anchors, bolts etc.
				CE en ROHS certificaat

Polyrubber windenergie

Bronkhorsterstraat 9

Hengelo gld

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6.Gurantee: 3 - 6 years for free



Opbrengst per jaar .Bij 5 mtr p/sec 3159 kw
 Opbrengst per jaar .Bij 7 mtr p/sec 6232 kw
 Opbrengst per jaar .Bij 9 mtr/p/sec 10200 kw

