

Horizontal Wind Turbine Catalogue

Model: GH-10KW Horizontal axis wind turbine On-grid | Off-grid system

Overview

GREEF GH-10KW wind generator is the conversion of wind energy into mechanical energy first and electric energy afterwards. This equipment can fully make use of wind power to recharge a battery, and also can saved energy into ac source alternating current. Without the necessity of fuel, the GH-10KW wind generator is pollution free and far away from noise. The GH-10KW wind generator is generally applicable to the area which has good condition but is far away from the power grid, or the power grid is not normal. The GH-10KW generator can supply lighting, the television set, the searchlight, the communication equipment, the power tool and other household appliances.



Recommended for:

- Household, Garden, farm, Urban, Rooftop
- Telecom sites.
- · Rural electrification programs. Island, sentry, island, sight lighting

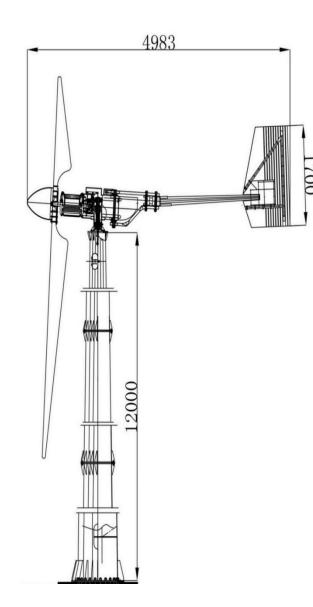


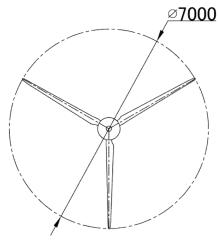
Technical specification

Model	GH-10KW					
Performance						
Rated Power	10000W					
Start Wind Speed	3m/s(6.72mph)					
Rated Wind Speed	10m/s(22.4mph)					
Working Wind Speed	4-25m/s (6.72-56 mph)					
Safety Wind Speed	50m/s(112mph)					
Physical Parameters						
Blades Length	3.8M(12.46ft)					
Blades Rotor Diameter	7M(22.97ft)					
Blades Material &Quantity	FRP /3PCS					
Top Weight	650kg					
Swept Area	38.47 m²					
Tower Height	12m(39.36ft.) Free stand tower					

Generator Parameters

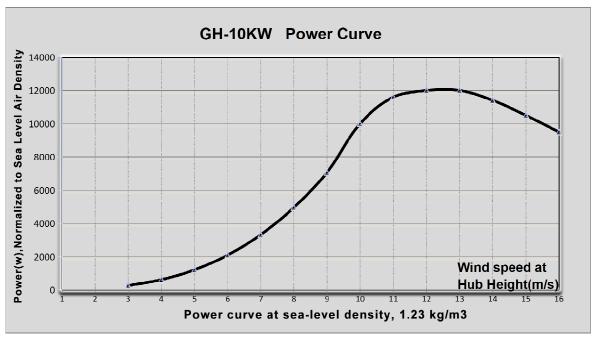
Generator Type	Permanent Magnet Generator					
Rated Speed	250RPM					
Start Torque	7.5 N.M					
Option Voltage	120-500VAC					
Protection Method	Electromagnetic Brake +PWM					
Protection Grade	IP54					
Working Temperature	-40-50°C					
Life time	20 Years					







Power Curve



Annual Energy Production

Model	Annual Wind Speed (m/s)	3	4	5	6	7
GH-10KW	Production (kWH)	2065	4894	9558	16517	26228

This data will have $\pm 10\%$ difference according to real condition.

Sound Data

Test position: At 15m away from generator (average value of 3 point-rears, left, right.)

Wind Speed (m/s)	3	4	5	6	7	8	9	10	11
Sound(dB)	21.6	24.7	30.2	32.5	33.5	36.7	42.6	43.6	47.1
Wind Speed (m/s)	12	13	14	15	16	17	18	19	20
Sound(dB)	48.3	50.3	54.6	57.8	59.7	63.5	65.5	68.9	70.2

Note: The sound value includes wind noise.



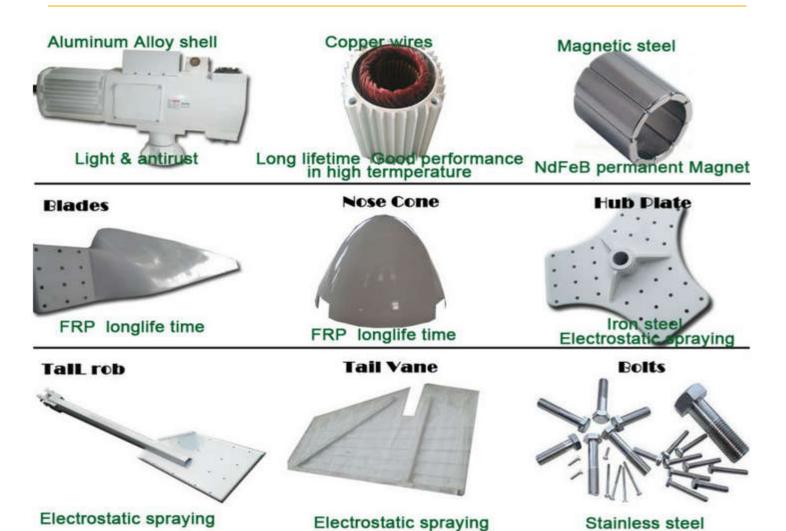
Pictures







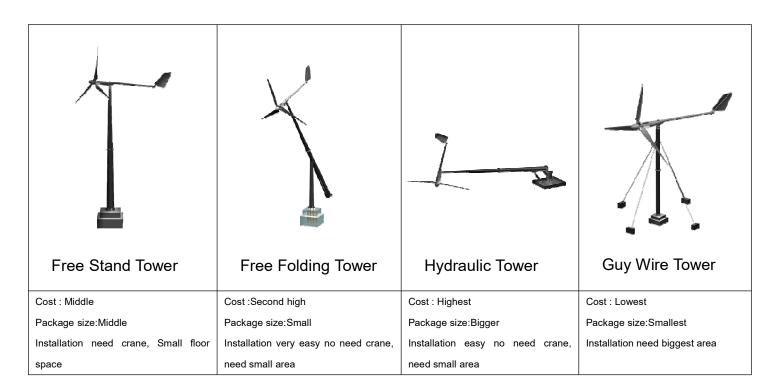
Accesses Details Pictures



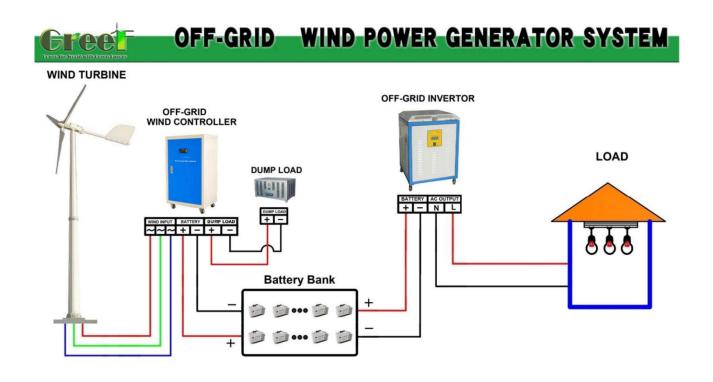




Optional Tower Type

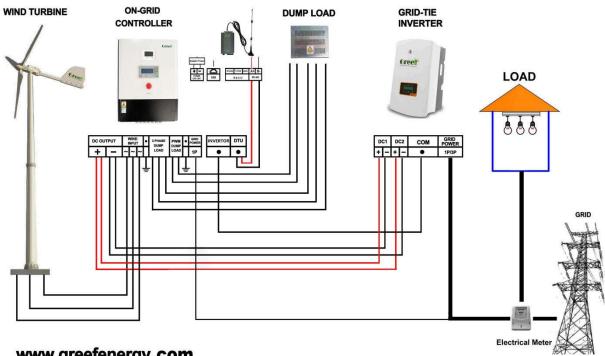


System Solution Diagram



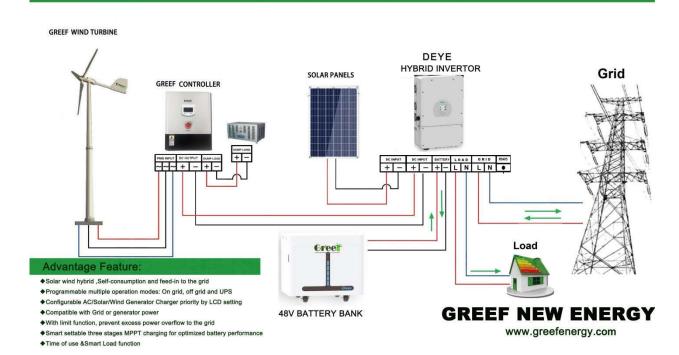


GREEF GRID TIED SYSTEM WIRING DIAGRAM



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HYBRID SYSTEM SOLUTION Greet





Why Choose GREEF?

★Bureau, SGS, TUV, Intertek verified Gold Plus Supplier



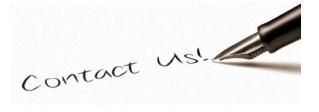
- ★Top 3 suppliers of generators products with all 5 star feedback on alibaba.com
- ★13 years'experience engineer&QC team
- **★**7days*24hours on time service.
- ★3 years guarantee service, focus on after-sale service
- **★**One stop customized system solution
- **★**Trade experience with more than 60 countries
- **★**CE, RoHS certificated
- **★**OEM, ODEM are accepted
- ★Support safe payment through Alibaba trade assurance
- **★**Products quality and on time delivery are guaranteed by alibaba.com











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