



Model and specifications:

- 100W
- 200W
- 300W
- 500W
- 1KW
- 2KW
- 5KW
- 7.5KW
- 10KW



Work principle and features

Principle : Use the wind energy as the motive power to revolve a permanent-magnet generator at low speed to generate alternate current, which is converted to direct current through constant-voltage rectifier under control and stored in the battery. The direct current transmitted from the battery can be converted to alternate current through inversion power source and then put into use by linking to load.

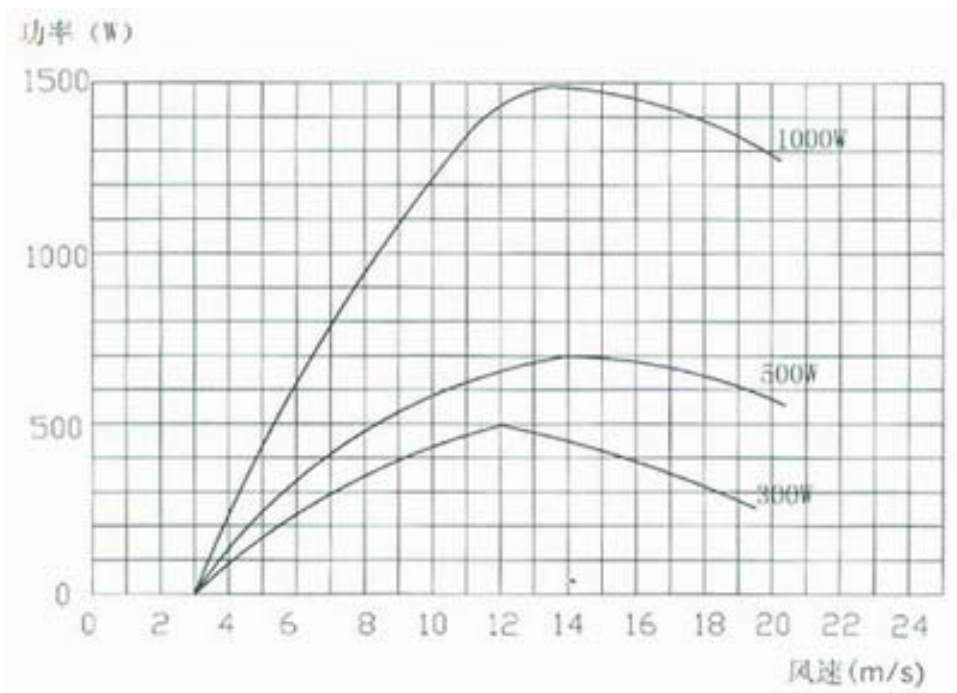
Features : The product is featured by novel design, unique technique and strong practicability. The key technique of the unit has been awarded the invention patent and practical new patent by the State Intellectual Property Office and enjoys the independent intellectual property right in our country. The product takes the lead at home in the wind energy-electric energy conversion efficiency technique. Compared with its counterparts, it has a lower rated revolving speed, thus raising the work efficiency.

Make use of ranges and application

The product is used in the areas with wind and without electricity such as: island, desert, plain, beach, frontier defense, microwave communication, telephone transmitting tower, forest observation tower, maintenance station of oil delivery pipeline, lighting of expressway ect. It is also used in the areas with wind and with out electricity such as lighting for square, park, the place of urban landscape point, scenery resorts, lighting for highway, ecological in village ect. according to require can connect with nation electrified wire netting, use wind electricity with wind, use net electricity without wind. It can view and admire also utilize wind energy generate that it without any cost, save energy resources for country.

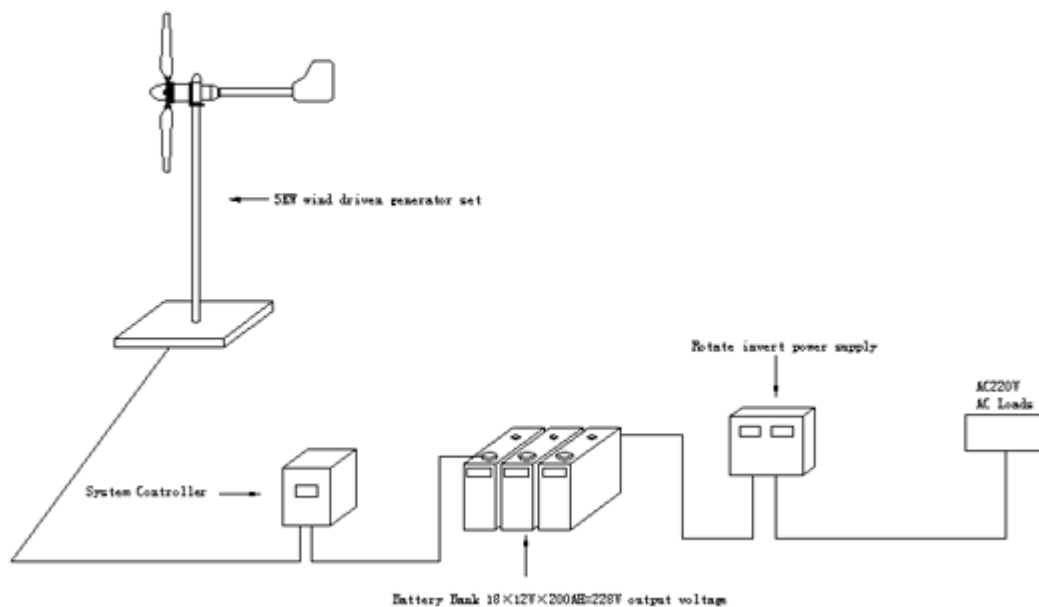


Power graphic chart



Sketch diagram of used by consumer

The power supply system of use by consumer





100W



- **Numbers of blade(P): 3**
- **Materials of blade: 1.0 cold- rolled iron**
- **Diameter of wind turbines(m): 1.5**
- **Out-in(start)wind speed: 3**
- **Out-out(outage)wind speed: 25**
- **Rated wind speed(m/s): 8**
- **Rated speed(rotate/minute): 500**
- **Max. wind speed(m/s): 40**
- **Wind energy ratio(%): 0.41**
- **Generator: Permanent magnetic generator**
- **Generator rated power(W): 100**
- **Max.output power(W): 150**
- **Output voltage(V): 28**
- **Rated current(A): 3.6**
- **Type of off-course: Wind direct-ion is decided by tail**
- **Type of limit speed: Stanting limited by automatic**
- **Protect: Manual**
- **Tower: Flexibility guy**
- **Altitude of tower(m): 6**
- **Charging control: electron**
- **Weight (kg): 80**
- **Power generation of years(kwh): 250**
- **Inverter power supply: Need not**
- **Battery: N80×2**
- **Time of charging(h): 8**



200W



- **Numbers of blade(P): 3**
- **Materials of blade: 1.0 cold- rolled iron**
- **Diameter of wind turbines(m): 2**
- **Out-in(start)wind speed: 3**
- **Out-out(outage)wind speed: 25**
- **Rated wind speed(m/s): 8**
- **Rated speed(rotate/minute): 450**
- **Max. wind speed(m/s): 40**
- **Wind energy ratio(%): 0.41**
- **Generator: Permanent magnetic generator**
- **Generator rated power(W): 200**
- **Max.output power(W): 300**
- **Output voltage(V): 28**
- **Rated current(A): 7.1**
- **Type of off-course: Wind direct-ion is decided by tail**
- **Type of limit speed: Stanting limited by automatic**
- **Protect: Manual**
- **Tower: Flexibility guy**
- **Altitude of tower(m): 6**
- **Charging control: electron**
- **Weight (kg): 80**
- **Power generation of years(kwh): 375**
- **Inverter power supply: Need not**
- **Battery: N100×2**
- **Time of charging(h): 10**



300W



- **Numbers of blade(P): 3**
- **Materials of blade: 1.0 cold- rolled iron**
- **Diameter of wind turbines(m): 2.3**
- **Out-in(start)wind speed: 3**
- **Out-out(outage)wind speed: 25**
- **Rated wind speed(m/s): 8**
- **Rated speed(rotate/minute): 400**
- **Max. wind speed(m/s): 40**
- **Wind energy ratio(%): 0.41**
- **Generator: Permanent magnetic generator**
- **Generator rated power(W): 300**
- **Max.output power(W): 450**
- **Output voltage(V): 28**
- **Rated current(A): 10.7**
- **Type of off-course: Wind direct-ion is decided by tail**
- **Type of limit speed: Stanting limited by automatic**
- **Protect: Manual**
- **Tower: Flexibility guy**
- **Altitude of tower(m): 6**
- **Charging control: electron**
- **Weight (kg): 90**
- **Power generation of years(kwh): 750**
- **Inverter power supply: Square wave**
- **Battery: N120×2**
- **Time of charging(h): 12**



500W



- **Numbers of blade(P): 3**
- **Materials of blade: 1.2 cold-rolled iron**
- **Diameter of wind turbines(m): 2.8**
- **Out-in(start)wind speed: 3.5**
- **Out-out(outage)wind speed: 25**
- **Rated wind speed(m/s): 8**
- **Rated speed(rotate/minute): 350**
- **Max. wind speed(m/s): 40**
- **Wind energy ratio(%): 0.41**
- **Generator: Permanent magnetic generator**
- **Generator rated power(W): 500**
- **Max.output power(W): 750**
- **Output voltage(V): 28**
- **Rated current(A): 17.9**
- **Type of off-course: Wind direct-ion is decided by tail**
- **Type of limit speed: Stanting limited by automatic**
- **Protect: Manual**
- **Tower: Flexibility guy**
- **Altitude of tower(m): 6**
- **Charging control: electron**
- **Weight (kg): 110**
- **Power generation of years(kwh): 1250**
- **Inverter power supply: Square wave**
- **Battery: N135×2**
- **Time of charging(h): 14**



1KW



- **Numbers of blade(P): 3**
- **Materials of blade: FRP complex resin**
- **Diameter of wind turbines(m): 3.6**
- **Out-in(start)wind speed: 3.5**
- **Out-out(outage)wind speed: 25**
- **Rated wind speed(m/s): 10**
- **Rated speed(rotate/minute): 300**
- **Max. wind speed(m/s): 40**
- **Wind energy ratio(%): 0.41**
- **Generator: Permanent magnetic generator**
- **Generator rated power(W): 1000**
- **Max.output power(W): 1500**
- **Output voltage(V): 56**
- **Rated current(A): 17.9**
- **Type of off-course: Wind direct-ion is decided by tail**
- **Type of limit speed: Stanting limited by automatic**
- **Protect: Manual**
- **Tower: Flexibility guy**
- **Altitude of tower(m): 6**
- **Charging control: electron**
- **Weight (kg): 150**
- **Power generation of years(kwh): 2500**
- **Inverter power supply: Square wave or corrected wave**
- **Battery: N150×4**
- **Time of charging(h): 15**



2KW



- **Numbers of blade(P): 3**
- **Materials of blade: FRP complex resin**
- **Diameter of wind turbines(m): 4**
- **Out-in(start)wind speed: 3.5**
- **Out-out(outage)wind speed: 20**
- **Rated wind speed(m/s): 10**
- **Rated speed(rotate/minute): 250**
- **Max. wind speed(m/s): 40**
- **Wind energy ratio(%): 0.41**
- **Generator: Permanent magnetic generator**
- **Generator rated power(W): 2000**
- **Max.output power(W): 2500**
- **Output voltage(V): 115**
- **Rated current(A): 17.4**
- **Type of off-course: Wind direct-ion is decided by tail**
- **Type of limit speed: Stanting limited by automatic**
- **Protect: Manual**
- **Tower: 3 pipe cone**
- **Altitude of tower(m) :8**
- **Charging control: Automatic**
- **Weight (kg): 1000**
- **Power generation of years(kwh): 5000**
- **Inverter power supply: Square wave or corrected wave**
- **Battery: N200×9**
- **Time of charging(h): 20**



5KW



- **Numbers of blade(P): 3**
- **Materials of blade: FRP complex resin**
- **Diameter of wind turbines(m): 5.8**
- **Out-in(start)wind speed: 3.5**
- **Out-out(outage)wind speed: 20**
- **Rated wind speed(m/s): 10**
- **Rated speed(rotate/minute): 200**
- **Max. wind speed(m/s): 40**
- **Wind energy ratio(%): 0.42**
- **Generator: Permanent magnetic generator**
- **Generator rated power(W): 5000**
- **Max.output power(W): 6500**
- **Output voltage(V): 230**
- **Rated current(A): 21.7**
- **Type of off-course: Wind direct-ion is decided by tail**
- **Type of limit speed: Stanting limited by automatic**
- **Protect: Manual**
- **Tower: 3 pipe cone**
- **Altitude of tower(m) : 10**
- **Charging control: Automatic**
- **Weight (kg): 1200**
- **Power generation of years(kwh): 12500**
- **Inverter power supply: Square wave or corrected wave**
- **Battery: N200×18**
- **Time of charging(h): 20**



7.5KW



- **Numbers of blade(P): 3**
- **Materials of blade: FRP complex resin**
- **Diameter of wind turbines(m): 6.8**
- **Out-in(start)wind speed: 3.5**
- **Out-out(outage)wind speed: 20**
- **Rated wind speed(m/s): 10**
- **Rated speed(rotate/minute): 180**
- **Max. wind speed(m/s): 40**
- **Wind energy ratio(%): 0.42**
- **Generator: Permanent magnetic generator**
- **Generator rated power(W): 7500**
- **Max.output power(W): 10000**
- **Output voltage(V): 230**
- **Rated current(A): 32.6**
- **Type of off-course: Wind direct-ion is decided by tail**
- **Type of limit speed: Stanting limited by automatic**
- **Protect: Manual**
- **Tower: 3 pipe cone**
- **Altitude of tower(m) : 10**
- **Charging control: Automatic**
- **Weight (kg): 1400**
- **Power generation of years(kwh): 15000**
- **Inverter power supply: Sinusoid wave**
- **Battery: N200×18**
- **Time of charging(h): 20**



10KW



- **Numbers of blade(P): 3**
- **Materials of blade: FRP complex resin**
- **Diameter of wind turbines(m): 8**
- **Out-in(start)wind speed: 3.5**
- **Out-out(outage)wind speed: 20**
- **Rated wind speed(m/s): 11**
- **Rated speed(rotate/minute): 160**
- **Max. wind speed(m/s): 40**
- **Wind energy ratio(%): 0.42**
- **Generator: Permanent magnetic generator**
- **Generator rated power(W): 10000**
- **Max.output power(W): 13000**
- **Output voltage(V): 230**
- **Rated current(A): 43.5**
- **Type of off-course: Wind direct-ion is decided by tail**
- **Type of limit speed: Stanting limited by automatic**
- **Protect: Manual**
- **Tower: 3 pipe cone**
- **Altitude of tower(m) : 10**
- **Charging control: Automatic**
- **Weight (kg): 1800**
- **Power generation of years(kwh): 25000**
- **Inverter power supply: Sinusoid wave**
- **Battery: N200×18**
- **Time of charging(h): 20**