

## 1000W WIND TURBINE GENERATOR 【H3.1—1000W】



### Features

#### ● Generator

- Patented "in-the-hub" technology
- High generating efficiency
- Direct drive
- Low starting torque, Low noise and heat, Low maintenance

#### ● Wind turbine

- Small and lightweight
- Low-wind start, low rated wind speed, quick output in low wind
- Quiet-stable running
- It's slip ring yaw shaft means no cable twisting

#### ● Charge Controller, Inverter, Discharger

- Off Grid components adopt the integrated design which includes Wind-Solar Hybrid Control System, Inverter, Charger and Unloading System (Without special parts and fixation, the controller for 1000W could be connected to the solar panel within 400W to be a wind-solar hybrid system.)
- Grid Tied components include Inverter, PC Software and Discharger
- Protection for Over-charging, Over-discharging, Over-loading and Short circuit, also supply a diversion load
- Reliability with speed restriction
- An LCD display is included for monitoring all system information and auto control protection from overcharging, over discharging, short circuit and overheating.

#### ● System

- It owns several patented technologies and uses some special materials.
- Modularization-design: easy to install and low maintenance
- CE approved, UL&CSA in progress

### Specification

|                             |                                        |
|-----------------------------|----------------------------------------|
| Rated Output                | 1000 Watt                              |
| Maximum Output              | 2,000 Watt                             |
| Charge Voltage              | DC 60V                                 |
| Output Voltage              | AC 110V, 120V, 220V, 230V, 240V        |
| Blade Material              | Glass Fiber Reinforced Plastic         |
| Blade Diameter              | 3.1m (10 ft.)                          |
| Start up Wind Speed         | 3m/s (6.7 mph)                         |
| Rated Wind Speed            | 9m/s (20 mph)                          |
| Rated rotating Speed        | 500 (r/min)                            |
| Speed regulation            | Yawing                                 |
| Brake mode                  | Mechanical protection+Manual shut-down |
| Noise                       | 30 db(A) @ 5m/s wind                   |
| Generator Weight            | 15kg (33 lbs.)                         |
| Turbine weight(above tower) | 65kg (143 lbs.)                        |
| Standard Tower Height       | 8m (26.3 ft)                           |

### Power, Voltage, Current

