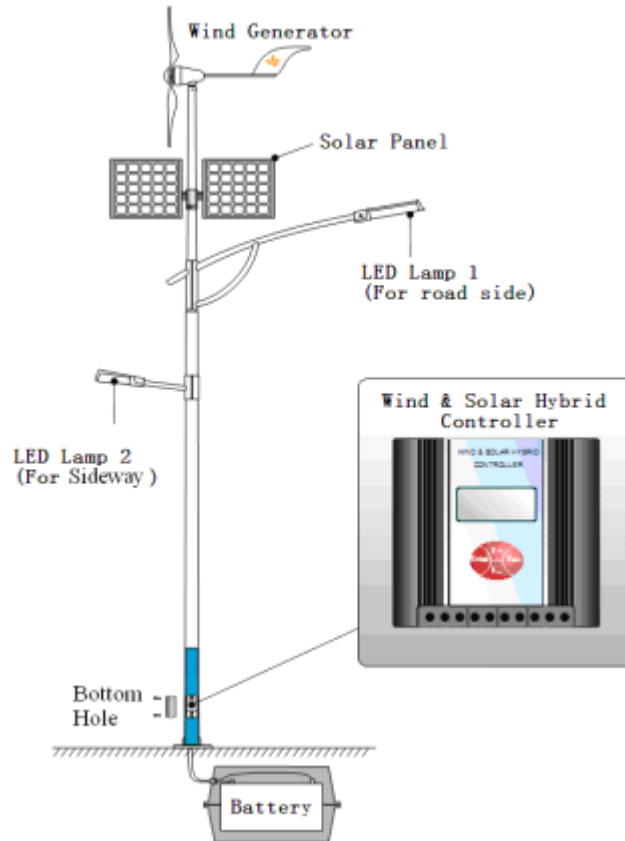
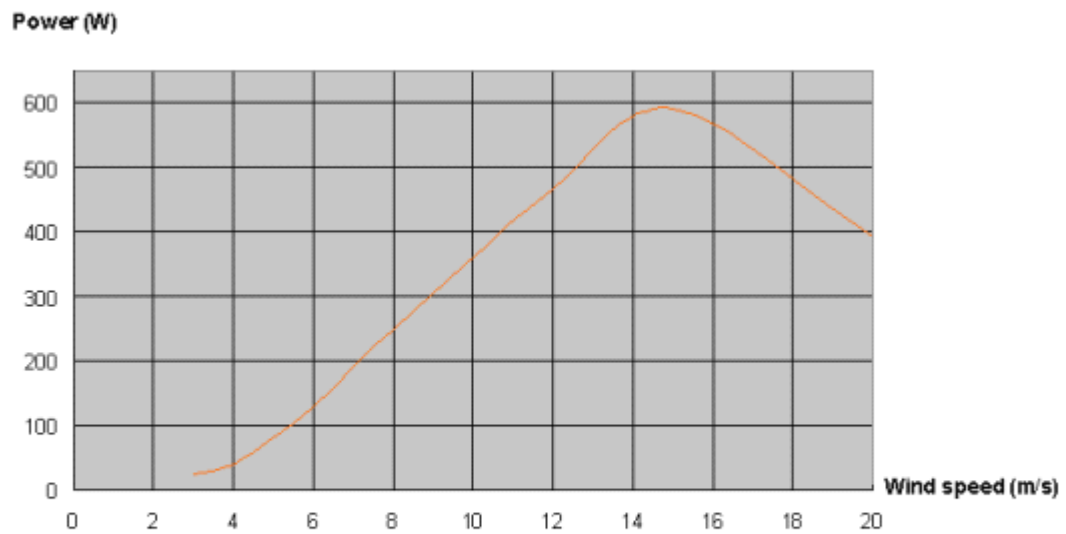


Model H1.25—400W (Edited on Aug. 23rd, 2011)

1. System diagram as below:



2. Curve



HUMMER-400W Wind Generator

3. Specifications

Rated power (W)	400
Maximum output power (W)	600
Battery bank voltage (Vdc)	12
System output voltage (Vdc)	12
Start-up wind speed (m/s)	2.5
Rated wind speed (m/s)	11
Working wind speed (m/s)	3-25
Survival wind speed (m/s)	50
Generator efficiency	>0.8
Wind energy utilizing ratio (Cp)	0.4
Generator type	Permanent Magnet Alternator
Generator weight (kg)	5.5
Blade material/quantity	GRP/3
Blade diameter (m)	Φ1.25
Speed regulation method	Yawing+Electromagnetism braking
Shutting down method	Manual+Automatic

4. Structural Pictures and Description



400W Wind Turbine

Hummer generator

Hummer generator, the most advanced in the world, wins 4 proprietary intellectual property rights. It is made of high-efficiency magnetic materials, special copper alloy, high-strength stainless steel

and aeronautic aluminum alloys. With special materials, it features with higher efficiency and lighter weight than traditional generators.



SKF Bearings

Two SKF bearings, famous in the world with good quality and a long history, make sure the whole system in reliable, safe and steady operation status.



Blades

Made of nylon, they receive wind energy and convert it into mechanical energy. Every 3 blades compose one set and pass balance test before delivery, so please don't disorderly use.



Wind-solar hybrid Controller

It integrates the functions of time control and light control. Users can set the time need for "on/off" according to actual demands and view the real-time operation status of the whole system from LCD display.

