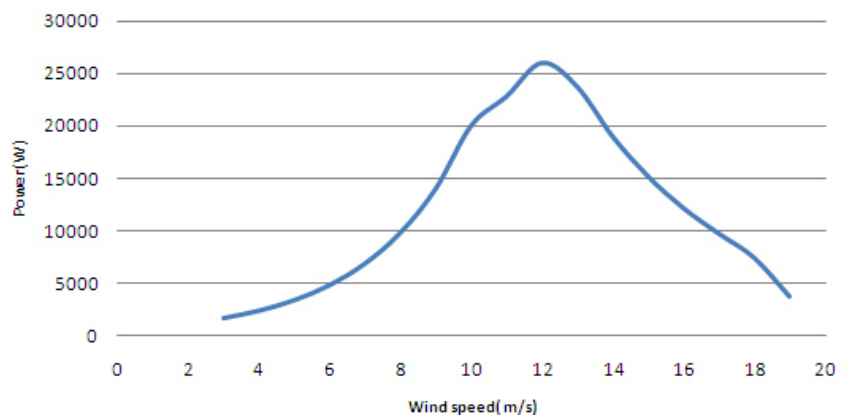


# FD12-20K-40 Specifications(20KW)

Type: 3 Blade Upwind  
Rotor Diameter: 10 m  
Start-up Wind Speed: 2.5 m/s (5.6 mph)  
Cut-in Wind Speed: 3 m/s (6.7mph)  
Rated Wind Speed: 12m/s (26.8mph)  
Rated Power: 20k Watts  
Maximum Power: ~ 25k Watts  
Cut-Out Wind Speed: 15m/s(33.5mph)  
Timing manner: automatically adjust the windward angle  
Overspeed Protection: AutoFurl  
Temperature Range: -40 to +60 Deg. C (-40 to +140 Deg. F)  
Generator: Permanent Magnet Alternator  
Output Form: 360VDC Nominal



Power curve



## Packing information:

### 1. principal machine case:

- 1.1. goods inside: principal machine, flange shaft, user's manual, cable conductor.
- 1.2. packing size: 133x106x141
- 1.3. weight: 1256kg



### 2. False ogive:

- 2.1. goods inside: false ogive, controller, dogvane, anemoscope, 2m anemoscope cable conductor, dogvane pole: 1.
- 2.2. Packing size: 85\*86\*63.5.
- 2.3. Weight: 51kg.



### 3. Blade case:

- 3.1. goods inside: blades: 3.
- 3.2. Packing size: 488x43x71
- 3.3. Weight: 283kg.



#### 4a. Taper Tower:

- 4a.1. goods inside: 11.5m tower
- 4a.2. packing size: tapered tower, tip diameter: 50cm; tail diameter: 95cm, height: 1150cm.
- 4a.3. weight: 2035kg



#### 4b1. Guy Cable Tower:

- 4b1.1. goods inside: 4.5m tower:4
- 4b1.2. packing size: 445x50x50
- 4b1.3. weight: 1336kg



#### 4b2. Tower accessory case:

- 4b2.1. goods inside: 15.3m steel cable: 4, 17.5m steel cable: 4, 20m steel cable: 4, (20x65)tower screw: 48, ring anchor block: 12, cable clamp device: 12, L-shaped anchor block: 12, turnbuckle: 48, (20x65)flange screw: 12, base flange
- 4b2.2 Packing size: 106.5x54x58
- 4b2.3 Weight: 285kg



## 5. Inverter

5.1 Packing size: 93.5x70.5x140

5.2 Weight: 255kg

