



Turbine Output Specifications

New technology in wind power.

6 foot Turbine

(height 6 ft, diameter 4 ft)



Swept Area for 6 ft Turbine

2.23 m² 24 ft²

Wind Speed (mph)	(m/s)	Rotational Frequency (Hz(rps))	Power Available in Wind For Swept Area (Watts)	Estimated Power Output of Turbine for Swept Area (Watts)
6.711	3	0.78	36.9	9.3
8.94	4	1.04	87.4	22
11.1	5	1.31	170.7	43
13.4	6	1.57	295	74.3
15.6	7	1.83	468.4	118
17.8	8	2.09	699.2	176.2
20.1	9	2.35	995.6	250.9
22.37	10	2.61	1365.7	344.2

How much energy can this Turbine produce?

Average Wind Speed	Energy Production in KWh		
	Per Day	Per Month	Per Year
10 m/s or 22.4 mph	8.3	247.8	3015.2
8 m/s or 17.9 mph	4.2	126.9	1543.5