

# Wind Power Chart

The power generated from a windmill depends on both the wind speed and the size of the blades.

| Wind Power Chart |              |                                       |        |        |        |        |
|------------------|--------------|---------------------------------------|--------|--------|--------|--------|
| Output Rating    | Blade        | Kilowatt Hours at Various Wind Speeds |        |        |        |        |
| (watts)          | Diameter(ft) | 8 mph                                 | 10 mph | 12 mph | 14 mph | 16 mph |
| 100              | 3            | 5                                     | 8      | 11     | 13     | 15     |
| 250              | 4            | 12                                    | 18     | 24     | 29     | 32     |
| 500              | 5            | 24                                    | 35     | 46     | 55     | 62     |
| 1,000            | 7            | 45                                    | 65     | 86     | 100    | 120    |
| 2,000            | 11           | 80                                    | 120    | 160    | 200    | 240    |
| 4,000            | 15           | 150                                   | 230    | 310    | 390    | 460    |
| 6,000            | 18           | 230                                   | 350    | 470    | 590    | 710    |
| 8,000            | 21           | 300                                   | 450    | 600    | 750    | 900    |
| 10,000           | 24           | 370                                   | 550    | 730    | 910    | 1,100  |

For example, if the average wind speed at the site is 12 mph, a small 100 watt generator will turn out only 11 kWh, but a 2,000 watt generator will produce 160 kWh and a 10,000 watt generator will product 730 kWh.