

Wind Turbine Performance Data

Turbine Model = AF1-24v-0125 (406 PMG)

Turbine Blades = 3 (28 deg blade pitch)

Battery Load = 24 V

Startup Wind Speed = 2m/s

Charging Initiation Wind Speed = 3.0m/s

Charging Initiation RPM = 258

| Wind (m/s) | Wind (mph) | Turbine RPM | Output Current (A) | Battery Voltage (V) | Power (W) | Power/Day |
|------------|------------|-------------|--------------------|---------------------|-----------|-----------|
| 3.0 | 6.8 | 258 | 1.0 | 26.0 | 26 | 624 |
| 4.0 | 9.0 | 280 | 2.1 | 26.0 | 55 | 1310 |
| 5.5 | 12.4 | 310 | 5.0 | 27.0 | 135 | 3240 |
| 6.5 | 14.6 | 316 | 8.4 | 27.0 | 227 | 5443 |
| 7.2 | 16.2 | 400 | 10.2 | 29.0 | 296 | 7099 |
| 8.6 | 19.4 | 420 | 15.0 | 30.0 | 450 | 10800 |
| 9.5 | 21.4 | 442 | 18.0 | 31.0 | 558 | 13392 |
| 11.0 | 24.8 | 460 | 24.0 | 32.0 | 768 | 18432 |
| 12.5 | 28.1 | 480 | 30.0 | 33.4 | 1002 | 24048 |
| 14.0 | 31.5 | 490 | 34.0 | 33.6 | 1142 | 27418 |

