

**Wind Turbine Performance Data**

**Turbine Model = FE1012U (404 PMG)**

**Turbine Blades = 5 (25 deg blade pitch)**

**Battery Load = 12 V**

**Startup Wind Speed = 2m/s**

**Charging Initiation Wind Speed = 3.2m/s**

**Charging Initiation RPM = 230**

Wind (m/s)	Wind (mph)	Turbine RPM	Output Current (A)	Battery Voltage (V)	Power (W)	Power/Day
3.2	7.2	230	1.8	14.2	26	613
4.0	9.0	260	3.7	14.2	53	1261
5.2	11.7	275	8.0	14.2	114	2726
6.0	13.5	300	12.5	14.2	178	4260
7.0	15.8	310	17.0	14.2	241	5794
8.0	18.0	320	22.0	14.3	315	7550
9.5	21.4	330	27.0	14.3	386	9266
11.0	24.8	340	34.0	14.4	490	11750
12.5	28.1	360	42.0	14.4	605	14515
14.0	31.5	380	46.0	14.4	662	15898

