

Wind Turbine Performance Data

Turbine Model = FE1036U (406 PMG)

Turbine Blades = 5 (25 deg blade pitch)

Battery Load = 36 V

Startup Wind Speed = 2m/s

Charging Initiation Wind Speed = 3.7m/s

Charging Initiation RPM = 371

Wind (m/s)	Wind (mph)	Turbine RPM	Output Current (A)	Battery Voltage (V)	Power (W)	Power/Day
3.7	8.3	371	1.2	35.0	42	1008
4.0	9.0	380	1.5	35.0	53	1260
5.7	12.8	414	4.2	36.0	151	3629
6.3	14.2	428	5.5	37.0	204	4884
6.8	15.3	472	7.0	37.0	259	6216
8.5	19.1	660	12.4	40.0	496	11904
9.5	21.4	680	17.0	41.0	697	16728
11.0	24.8	700	23.0	42.0	966	23184
12.5	28.1	720	28.0	43.0	1204	28896
14.0	31.5	725	31.0	43.0	1333	31992

