

Wind Turbine Performance Data

Turbine Model = FE1024U (406 PMG)

Turbine Blades = 5 (25 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

