

Wind Turbine Performance Data

Turbine Model = AF1-48v-0122 (408 PMG)

Turbine Blades = 3 (28 deg blade pitch)

Battery Load = 48 V

Startup Wind Speed = 2.0m/s

Charging Initiation Wind Speed = 3.8m/s

Charging Initiation RPM = 380

Wind (m/s)	Wind (mph)	Turbine RPM	Output Current (A)	Battery Voltage (V)	Power (W)	Power/Day
3.8	8.6	380	0.8	52.0	42	998
4.5	10.1	400	1.4	53.0	74	1781
5.6	12.6	420	2.6	54.0	140	3370
6.5	14.6	465	4.0	55.0	220	5280
8.0	18.0	480	7.4	56.0	414	9946
9.0	20.3	490	10.4	56.2	584	14028
10.0	22.5	510	14.0	56.3	788	18917
11.0	24.8	520	16.5	56.4	932	22357
12.5	28.1	540	20.0	56.6	1132	27168
14.0	31.5	610	26.0	56.6	1472	35318

