

MONTHLY ENERGY ESTIMATE (KWH) OF WIND GENERATORS OF VARIOUS RATINGS

Wind speed			UE6 (650 W)	UE15 (1500W)	UE15 _{plus} (1800W)	UE33 (3300W)	UE42 (4200W)	UE42 _{plus} (5100W)
Kmph	mph	m/s						
8	5	2.2	4	16	19	29	41	49
9.6	6	2.7	12	37	44	71	92	111
11.2	7	3.1	22	64	77	117	148	177
12.8	8	3.6	36	98	118	181	228	273
14.5	9	4.0	48	142	170	259	310	374
16	10	4.5	68	178	214	352	412	494
17.7	11	4.9	89	239	287	456	550	659
19.3	12	5.4	115	288	346	568	688	884
21	13	5.8	140	338	405	670	840	1008
22.5	14	6.3	169	396	475	776	972	1166
24	15	6.7	198	456	547	863	1082	1297
25.7	16	7.1	228	496	595	954	1197	1434
27.3	17	7.6	255	538	645	1076	1352	1622
29	18	8.0	277	574	688	1134	1427	1712
30.5	19	8.5	319	654	784	1292	1628	1953
32	20	9.0	380	785	942	1548	1946	2334
33.7	21	9.4	442	905	1086	1850	2328	2792
35.4	22	9.8	504	1040	1248	2040	2567	3080
37	24	10.2	555	1146	1375	2330	3005	3605
38.6	25	10.7	575	1198	1437	2520	3166	3546
40	26	11.2	708	1435	1722	2997	3766	4213
41.8	27	11.6	818	1566	1879	3189	3997	4476
43.4	28	12	896	1756	2107	3558	4501	5042

$$\text{DAILY WATT HOURS} = \frac{\text{KWH/MONTH}}{\text{X 33}}$$

$$\text{DAILY PLF (CAPACITY FACTOR)} = \frac{\text{DAILY WATT HOURS}}{\text{-----}} \times 24$$