

Date	Watts Pk	Whrs	Ah	A/pk
16-Aug	47.7	298.2	22.367	3.55
17-Aug	51.4	277.2	20.681	3.79
18-Aug	55.5	284.4	21.030	4.08
19-Aug	48.9	284.3	20.685	3.58
20-Aug	23.1	65.9	5.209	1.79
21-Aug	59.1	93.2	7.305	4.52 Chg Batts w/Chrgr
22-Aug	55.9	230.3	17.391	4.22
23-Aug	53.0	244.1	18.166	3.88
24-Aug	54.9	283.5	20.677	3.98
25-Aug	47.3	277.5	19.983	3.35
26-Aug	45.4	216.5	15.991	3.27
27-Aug	45.2	246.1	18.283	3.30
28-Aug	47.6	185.0	13.994	3.52
29-Aug	50.3	226.1	16.922	3.70
30-Aug	45.8	277.4	20.560	3.37
1-Sep	67.7	216.5	16.027	4.53
2-Sep	45.4	151.8	11.442	3.31
3-Sep	7.8	30.4	2.440	0.62
4-Sep	11.9	16.3	1.323	0.94 Chg Batts w/Chrgr
5-Sep	44.2	88.1	6.779	3.35
6-Sep	41.7	136.6	10.363	3.09
8-Sep	63.2	347.2	26.094	4.67
9-Sep	48.2	269.3	19.963	3.53
10-Sep	45.9	258.8	19.152	3.36
11-Sep	38.3	87.3	6.778	2.87
12-Sep	54.9	116.1	8.923	4.07
13-Sep	51.1	60.0	4.663	3.65
14-Sep	65.3	105.8	7.995	4.78
15-Sep	8.8	34.6	2.751	0.69
16-Sep	51.0	258.0	19.173	3.75
Avg Pk W>	45.9	5666.5	14.104	<<Avg Ah

5.666KWH!!!!!!!!!!

All data taken daily with a Watts Up meter at the battery output of a SunSaver MPPT controller.

Batteries are (2)6V Sam's Golf Cart batteries in series, fused at 75A
 Various other small batteries are occasionally paralleled in system to keep them charged.

Loads Running this month:

Linksys WRT54GL router	24/7	.250A	6Ah
Small 5 port 100MB switch	24/7	.150A	3.6Ah
2 meter Radio Radio shack HTX242	16/7	.450A	7.2Ah
			<u>16.8Ah Total/Day</u>

Not quite enough solar to handle this load.
 Another set of 3 should do 25Ah average.

Really need to add the RCA cablemodem to the load	.5A	12Ah
		<u>28.8Ah Total/Day</u>

Another set of 3 to bring to a total of 12 panels should do ~33Ah as average.
Another set of 3 to bring to a total of 15 panels should do ~42Ah as average.
Another set of 3 to bring to a total of 18 panels should do ~50Ah as average.
Another set of 3 to bring to a total of 21 panels should do ~59Ah as average.

SunSaver Mppt can only handle 200W or 15A max to batteries, so I probably can't go over about 18 panels on this controller as long as I am at 12V battery.

All data was taken at 38.5N. Lat 91.01W Long. Washington, MO

Note: During this month, 5 panels were operating. We had 2 hurricane remnants pass over us. Deep dark clouds over us for a couple of days dropped the output very low. Panels were in parallel for 12V output. Cooler mornings this month pushed peak watts over 60W. Hope to see better peak watts this winter with lower temps. Need to meter my loads with one of the Watts UP meters. May have more loads than my average AH/Day warrants. Will see what 6 total panels will do this month connected for 36V into the SS-MPPT. It took HF a whole month to replace a panel that was obviously dead out of the box. Note to self; Check HF panels in HF's parking lot.