

**ER 120 - Load profile for PV systems lab: Spring 2002**

Time	Load in Amps (rounded to integer values)							Week's total	
	Mon	Tues	Wed	Thurs	Fri	Sat	Sun		
6:00	4	1	1	1	0	1	4		
7:00	4	1	1	1	0	1	4		
8:00	Switch load from Incandescent to CFL	System logging stopped/started				Switch load from CFL to Incandescent			
9:00									
10:00									
11:00									
12:00									
13:00	0	1	1	0	1				
14:00	0	1	1	0	1	4			
15:00	0	1	1	0	1	4			
16:00	0	1	1	0	1	0			
17:00	0	1	1	0	1				
18:00	0	1	1	0	1				
19:00	0	1	1	0	1	4			
20:00	0	1	1	0	1	4			
21:00	0	1	1	0	1	0			
22:00	0	1	1	0	1				
23:00	0	1	1	0	1				
0:00	0	1	1	0	1				
Total Amp*hrs	8	9	9	2	7	10	8		53

Time started logging: 17:30 05 March 02

Time stopped logging: 17:30 12 March 02

Note, the zero entries were originally entered as 1's on Monday, Thursday, and Friday and 4's on Saturday, but I switched the load profile in response the week's poor weather. A real rural family might not have had to make such immediate changes because the capacity of the battery gives them several days before they'll have drawn it down to potentially damaging levels. However, we need the battery to have roughly the same state of charge at 17:30 on March 12th as it had 7 days earlier in order to calculate the efficiency of the battery and the system as a whole.