System Loads Worksheet

Use this work sheet to determine the total amp hours
per day used by all of the AC and DC loads in your application

Step 1—Calculate your AC Loads. If no AC Loads, skip to Step 2.

1. List all AC loads, the watts each consumes while operating and hours of use per week in the spaces below. Multiply Watts by Hours per Week to get Watt/Hours per Week (WH/Wk.). Add all the watt hours per week of each AC load to determine the total AC Watt Hours you will consume per week. Watts, the electrical energy a load uses while it is operating, will be shown on the specification plate on the bottom or back of the appliance. Watt hour(s) is the total amount of electrical energy a load will consume in one hour of operation.

Description of AC Loads Run by an Inverter	Watts	X	Hrs/Wk	=	WH/Wk
Total of Lines in 1.— WH/Wk					

Note: Wattage or amp draw of appliances can usually be found on a specification plate on the back or bottom or from the owner`s manual. If an appliance is rated in amps, multiply amps by operating voltage (120 or 240) to find watts.

2. Actual Watt amps hours per week. Multiply line 1 by 1.25 to correct for average inverter loss. _____

3. Inverter DC input voltage (12, 24 or 48 volts.) _____

4. Divide line 2 by line 3. This is total amp hours per week used by AC loads through the inverter. _____

Step 2—Calculate your DC Loads - must be calculated at same voltage as Inverter DC input voltage (above)

5. List all DC loads, the amps each consumes while operating and hours of use per week in the spaces below. Multiply Amps by Hours per Week to get Amp/Hours per Week (AH/Wk). Add up the Amp hours per week of each DC load to determine the total Amp Hours by DC loads you will consume per week.

Description of DC Load	Amps	X	Hrs/Wk	=	AH/Wk
Total AH/Wk					

6. Enter Step 5 table's total amp hours per week (AH/Wk) used by DC loads. _____

7. Total amp hours per week used by AC loads from line 4. _____

8. Add lines 6 and 7. This is total amp hours per week used by all loads. _____

9. Divide line 8 by 7 days. This is the total average amp hours per day. _____