

## ***12 VOLT AUXILIARY BATTERY RATING***

1. Obtain the storage amp rating per hour of the battery. Example: 120 amps per hour.
2. Divide the total storage amps per hour by 2.  
120 divided by 2 = 60 amps per hour or 1/2 charge of the battery.

**NOTE:** 1/2 charge capacities are used because most 12 volt appliances will not operate properly once the battery drops below 1/2 charge.

3. 60 amps per hour divided by running amps from appliances = 6 hours of battery life.

Example: 120 amps per hour divided by 2 = 60 amps per hour  
60 amps per hour divided by 10 amps = 6 hours of battery life.

**NOTE:** Other factors, such as current surges or appliances using thermostats, may increase or decrease battery life.

As a general rule, the larger the storage amp rating of the battery, the longer the battery will operate without recharging. Other characteristics to consider are the battery's physical size (to ensure it fits on the trailer frame) and the battery type (marine, deep cycle, etc.). Marine style batteries are designed for storage charge, whereas automotive types are for cold cranking amps.

<b>Common Power Requirements</b>		
The following is a general guideline for wattage and amperage of commonly used RV appliances. Check the nameplate ratings on the motors and appliances in your RV for exact ratings.		
<b>Appliances</b>	<b>Average Required Wattage</b>	<b>Approximate Amps</b>
Air Conditioner	1400 - 2200	12 - 18
Battery Charger	Up to 800	6 - 7
Blender	600	5.5
Broiler	1350	12
Coffee pot	550 - 700	4 - 6
Compact Disc Player & Speaker	50 - 100	.05 - 0.9
Computer	50 - 100	0.5 - 0.9
Converter	300 - 350	2 - 3
Curling Iron	20 - 50	0.2 - 0.5
Dishwasher	1400	12
Electric		
Blanket	50 - 200	0.5 - 1.5
Broom/Vacuum	200 - 500	1.5 - 4
Drill	250 - 750	2 - 6
Fan	25 - 100	0.2 - 0.9
Frying Pan/Wok	1000 - 1350	8 - 11
Stove (per element)	350 - 1000	3 - 8
Water Heater	1000 - 1500	8 - 13
Water Pump	500 - 600	4 - 5
Hair Dryer	350 - 1000	3 - 8
Iron	500 - 1200	4 - 10
Light Bulbs	40 - 100 each	0.36 - 0.9
Microwave	700 - 1500	6 - 13
Radio	50 - 200	0.5 - 1.5
Refrigerator	600 - 1000	5 - 8
Space Heater	1000 - 1500	8 - 13
Television	200 - 600	1.5 - 4
Toaster	750 - 1200	6.5 - 10
Washer/Dryer	2000 - 2250	16
VCR	150 - 200	1 - 1.5