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.