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## Alternative energy source charging

- Solar panels
  - · Generally a slow charge rate
  - Generally expensive for higher charge rates
  - Solar panels sometimes available at hamfests.
  - Check RV accessories catalogs & Harbor Freight
  - Prevent reverse current flow with a series diode if connected directly to the battery.
  - Small units useful for charging batteries when not in use

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## **Overcoming voltage loss**

## Use a battery booster

A Battery Booster is a switching power supply that accepts a wide range of input voltage and delivers a fixed 13.8 VDC. Mounting the Battery booster near the radio insures it will have the13.8VDC it requires and to provide extended battery operating time. Typical battery boosters will operate with inputs as low as 10 volts.

















