

## **Power Exercises**

Arrange 4 Trojan 6V batteries (110Ah) to deliver 12V and draw the connection and each + and - terminal. How many Amphours does this deliver?

Arrange 24 Trojan 6V batteries to deliver 24V and draw the battery stack. How many Amphours does this deliver?

A relay at a site needs about 750 watts per day. This is a 12V system. How many 12V / 60w solar panels does the system need?

A relay at another site needs about 1200 watts per day. This is a 24V system. How many 12V / 60w solar panels does the system need?  
Draw how they are connected.

How many 12V sealed batteries (80Ah) are needed for a typical 1200 watt 12V system if they have 1 day of battery backup?  
How many 6V Trojan batteries?