



Azimuth Solar Products Inc.

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Total Watt Hours from Previous page < A > _____ Wh per day.

X 3 for recommended Wh 3 days storage < B > _____ Wh

Range is < A > _____ Wh to < B > _____ Wh

Usable Battery Storage Needed:

Wh < A > _____ / 12V = < C > _____ Ah (Minimum usable battery storage)

to Wh < B > _____ / 12V = < D > _____ Ah (Recommended usable battery storage)

This is the amount of storage that you need to have in batteries.

Multiply the Ah x 2 for lead acid batteries and x 1.5 for carbon foam, silicon dioxide and li-ion batteries (70-80% DoD)

Lead Acid / AGM / Flooded:

Min Ah < C > _____ x 2 = _____ **Ah** Min Battery storage Needed Lead Acid

Recommended Ah < D > _____ x 2 = _____ **Ah** Recommended Battery Storage Lead Acid

Or

Other Chemistries, Carbon Foam, Silicon Dioxide, Lead Crystal, Li-ion:

Min Ah < C > _____ x 1.5 = _____ **Ah** Min Battery storage needed

Recommended Ah < D > _____ x 1.5 = _____ **Ah** Recommended Battery Storage needed

For Solar Needs:

Total Daily Watt Hours from Previous Page: _____

Look on the Sun Insolation Hours Table for the nearest city to yours:

High: _____ Hours

Low: _____ Hours

Average: _____ Hours

Usable Battery Storage Minimum < C > _____ Ah x 12V = _____ Wh Batt Min

Usable Battery Storage Recommended < D > _____ Ah x 12V = _____ Wh Batt Rec

_____ Wh Batt Min / _____ Ave Insolation Hours x 1.25 = _____ **W Solar Power Needed**

_____ Wh Batt Rec / _____ Ave Insolation Hours x 1.25 = _____ **W solar power needed**