

PLANETARY POWER

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Energy usage & cost-sizing estimator instructions

Start with the energy usage spreadsheet and add, delete or edit the line items as appropriate. Selected items are highlighted in blue.

Then go to the estimates sheet and choose the location closest to you. The workbook has been customised with preset 10 year average solar radiation and temperature values for a range of sites derived from NASA satellite observations. Select the site closest to you. The estimates assume an optimally tilted fixed array.

The required proportion of PV is selected, using the drop down list and select the stand alone system option. Enter average winter and summer loads from the previous page and the cost and size estimates will be displayed.

If you intend to run your home entirely from solar, that is, with no generator backup, then the PV contribution will always need to exceed the load by at least a small margin in which case the 130% PV proportion is usually selected. If just occasional use of a generator is acceptable then select a PV proportion of 100%.

The cost estimates include all equipment, equipment housing, freight, installation and commissioning costs required to enable the renewable energy system. These are the items for which the recently announced 50% government rebate will apply. That is, the net cost to you (assuming you are eligible) will be 50% of the final cost. The cost of a generator (e.g. diesel generator) is not included in the estimates. nor is it eligible for a rebate. Prices stated include GST.

I hope that this information and the estimates have been helpful. Please get back to us and we can discuss the design options in a bit more detail. Then once we have agreed on the details, we can provide you with a firm quotation.

If you have any questions, please call or email:
(07) 4096 2420
info@planetarypower.com.au

Please send completed form to the above email address.