

Energy Matters Stand Alone Power System quote self assessment form

Energy Matters Site and System Assessment form: If you would like to receive a **FREE** quote for the supply and install of your Stand Alone Power System (SAPS), please complete and return this questionnaire!

Important notes before you begin

- Solar panels are generally mounted on your roof - the roof space where the solar panels are to be installed **should face as close to north as possible**. It should be free from shading cast by trees and buildings during the summer and winter months. The main power-producing hours of the day are usually between 10am and 2pm – check if your proposed roof space will receive this “window” of sunlight.
- Avoid planning the use of electrical appliances that heat or cool (such as electric ovens and air-conditioners). They are “power hungry” and will increase the size and cost of the system dramatically.

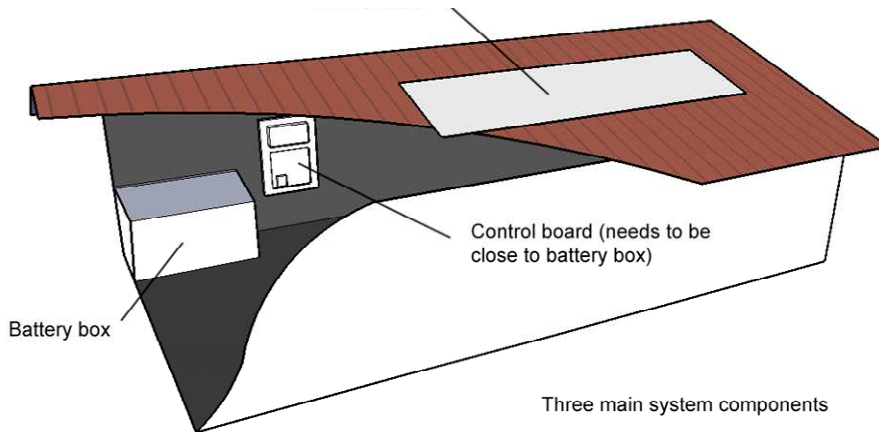
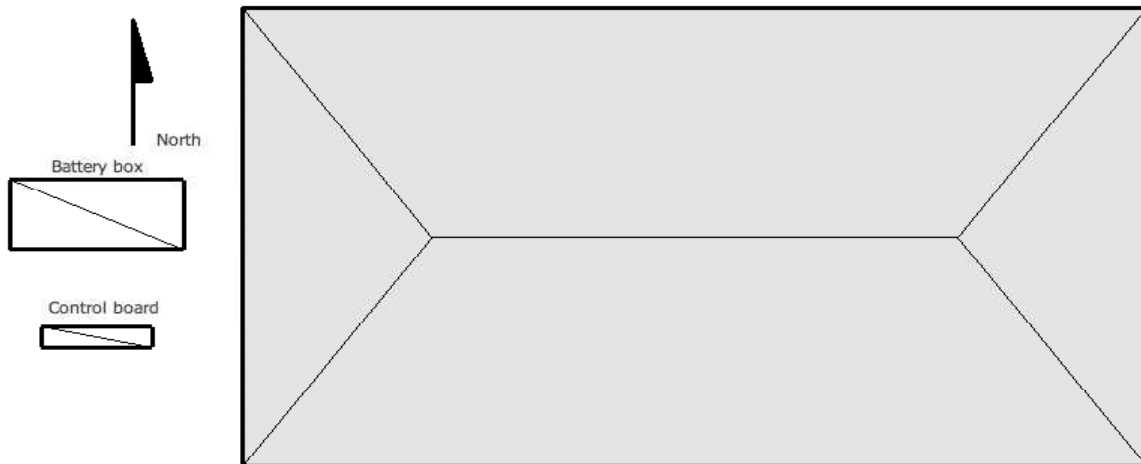
Your details

- Owner Name:
- Site Address: Built Not yet built
- Postal Address:
- Phone:
 - a.(Home)
 - b. (Work)
 - c. (Mobile)
 - d. (Fax)
 - e. (Email)
- Select orientation of roof:
 - North North East North West Other.....
- Approximate un-shaded roof space available to mount the panels =M²
- Approximate floor and wall space to install batteries and controller (see diagrams below) =M²
- Approx. slope of roof (please make a reasonable guess e.g. 25 degrees) =degrees
- Type of roof material (eg. Trimdeck, corrugated tin, terracotta tile etc) =

- Single or two storey?
- Are you interested in our Comprehensive Service Package (allows us to remotely monitor your system and make adjustments or alert you to potential problems if necessary)? **Yes / No**

Building plan or photos

If applicable, sketch system details into the plan below of a house/shed/garage where the equipment will be installed and indicate where the following components could be located; **solar panels** (a typical install takes approximately 3 x 7 meters of roof space), **batteries** (about 2 square meters of area), and **control board** (indoor wall is preferable). Try to indicate dimensions and the distance between components.



Your lights and appliances (loads)

The accuracy of this estimate is very important, as we size the system to suit your daily electrical load. If you add appliances after system is designed/installed, the system may not perform properly. As a result, always take your time in planning your appliance and lighting list and don't hesitate to contact us with any questions about energy use or selecting the right product. A useful website for determining appliance energy consumption is <http://www.energyrating.gov.au>



There are 2 ways of calculating your daily energy requirements;

1. Use the online Energy Matters SAPS calculator <http://www.energymatters.com.au/climate-data/>
2. Complete the attached list of proposed lights and appliances and return the list to us for calculation. If you don't know what the wattage or daily consumption of an appliance is, just make a note of the type and size of appliance, and we will use our data and experience to determine the energy requirement.

Please call with any queries and we look forward to meeting your requirements!

Energy Matters Design Team

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Living area	Quantity	Watts	Hours day
Ceiling light			
Shelf / floor light			
Television			
Stereo			
DVD player			
Set top box			
Computer			
Accessories			
Fan			
Kitchen	Quantity	Watts	Hours day
Ceiling light			
Shelf / floor light			
Microwave			
Jug			
Toaster			
Food Processor			
Extraction fan			
Fridge / Freezer	Quantity	Daily consumption (kWh)	
Fridge			
Freezer			
Bedroom 1	Quantity	Watts	Hours day
Ceiling light			
Shelf / floor light			
Television			
Stereo			
DVD player			
Set top box			
Fan			
Bedroom 2	Quantity	Watts	Hours day
Ceiling light			
Shelf / floor light			
Television			
Fan			
Total table 1			

Bathroom	Quantity	Watts	Hours day
Ceiling light			
Exhaust fan			
Chargers			
Cleaning	Quantity	Watts	Hours day
Ceiling light			
Iron			
Washing Machine	Quantity	Yearly kWh	Hours day
Washing Machine			
Garage outside	Quantity	Watts	Hours day
Ceiling light			
Flood light			
Tools			
Chargers			
Water pumping	Quantity	Watts	Hours day
Pressure pump			
Septic pump			
Total table 2			
Table 1 + table 2 = total consumption			

Add extra fields here if you need more

