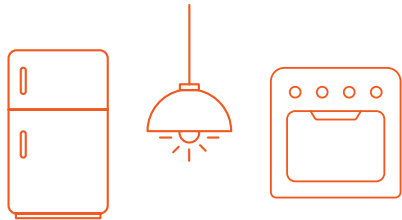


Off Grid Evaluation

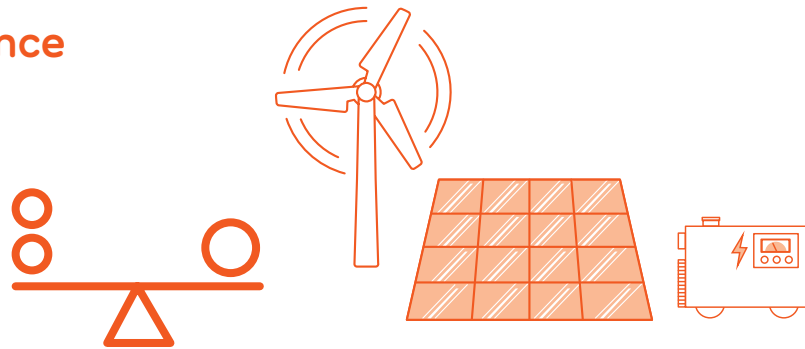
How to decide if off grid living is right for you



1 Find the Energy Balance

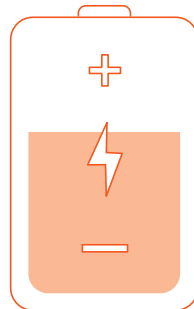


Create a list of electrical loads, eg. fridge, lighting, stove etc. Calculate a typical daily consumption for summer and winter (kWh).



Size the energy system output to exceed the daily load requirements. A generator may be required to back up the renewable energy source.

2 Battery Size



Determine the size of the battery to buffer the load between peak load and periods of low production. Some level of storage security may be required.

Size the inverter for peak loads.

3 Add on Features

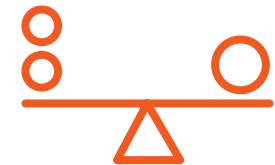
Determine add on features. Features like remote monitoring, control of the system and performance reporting can be handy.



4 Economic Analysis

On Grid:

- Cost of electricity
- Cost of connection to the grid



Off Grid:

- Cost of fuel & non-electrical energy (like gas)
- Maintenance cost
- Installation cost
- Depreciation (replacement of batteries etc)

5 Proceed with detailed design and quotes for your preferred solution