

## Solar & Alternative Energy

### Thinking of GOING SOLAR???

If you are considering the use of Alternative Power Generation for your property there are a number of important points you will consider;



- Cost of mains installation - typically \$20,000+/km to bring power lines to a remote property.
- Environmental considerations -some people prefer to generate their own power using renewable energy sources.
- Independence - not having to pay electricity bills to the power authority.
- Stand alone or backup power during times of uncertain mains reliability.

Appropriate Technology generating systems (solar, wind and micro-hydro) are now viable alternatives for many people who wish to be self sufficient or live more than a few hundred meters from the national grid.

#### Solar Power Systems

Also known as photovoltaic systems that use silicone wafer cells to directly convert solar energy into electricity. These systems can be used independently or in tandem with conventional power sources and incur minimal ongoing costs with the flexibility to be used almost anywhere.

#### Wind Power Systems

Wind generators can provide useful amounts of power economically providing they are on a suitable site that is elevated, exposed to prevailing winds without obstructions. Wind generators can be combined with solar modules to provide steady, moderate power to meet regular loads and solid peaks on windy days for planned intermitted uses.

#### Micro Hydro Power Systems

Where there is a stream with a reliable flow and an adequate head and flow rate, there is potential for power generation by micro hydro. Generally the unit is used in conjunction with a battery bank and an inverter to meet any intermittent loads which exceed the output of the micro hydro.

#### Generator Power Systems

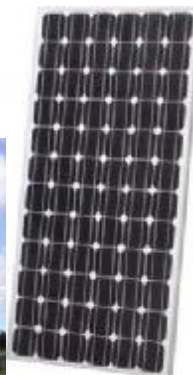
For people who have a large power use or who cannot afford to immediately purchase a solar or solar/wind hybrid power system, a generator power system may be a viable alternative. Initially the power system may consist of just a petrol or diesel generator with power available only while the generator is running.

#### Grid Connect Power systems

Where mains power is unreliable or prone to brown out a simple inverter/battery system with solar, wind or generator charging can ensure you are never without power. This can be to provide sufficient power for the complete household or simply a reduced load until the power is restored. Alternatively a system can be provided solely to feed power into the grid to off set the grid power consumed by a household.

Visit our website at [www.reidtechnology.co.nz](http://www.reidtechnology.co.nz) for product information including:

- Solar and Alternative Energy products,
- Solar Hot Water Systems,
- Vestfrost Fridge Freezers,
- Aviation and Marine Navigation Equipment,
- Petrol and Diesel Generators



#### Reid Technology Ltd

Unit D 15 Saturn Pl

Po Box 303242

North Harbour

Auckland

Phone: 09 489 8100

Fax: 09 4481631

Email: [sales@reidtechnology.co.nz](mailto:sales@reidtechnology.co.nz)

Web: [www.reidtechnology.co.nz](http://www.reidtechnology.co.nz)

# Solar Hot Water Heating

**REID TECHNOLOGY**



## Thinking of Solar Hot Water??

If you want to incorporate solar into your lifestyle then Solar Hot Water is the best place to start. The benefits of solar water heating are:

- Cost efficiency, solar water heating is the least expensive way to go solar.
- Start saving money instantly
- Solar water systems have a payback period of around 5 years
- Quick and easy installation with low maintenance
- Save up to \$50000 over a 20 year period

There are many systems available to suit all households of any size, any shape and anywhere!

### Beasley Beacon System

The Beacon system is a simple way to add solar heating, it uses your existing or new standard cylinder by adding solar panels with a pump and controller. You can add any number of panels to suit any household size. This system is low cost and easy to install. Panels are guaranteed for 7 years and pump and controller guaranteed for 2 years.

### Close Coupled Prestige Systems

This is a roof mounted system that has various sizes to suit any household demands. Systems range from 180L cylinder with 1 solar panel to 480L cylinder with 3/4 panels. The system is guaranteed for 7 years and the cylinder is made from marine grade stainless steel.

### Split Centurion System

This system separates the cylinder away from the panels and uses a pump and controller to circulate water. The cylinder is vertical and is placed on the ground at the side or back of your home. Various sizes are available from 160L with one panel to 315L with 3 panels. This system is guaranteed for 10 years and the cylinder is made from marine grade stainless steel.

Solar hot water systems are now more affordable than ever, as they are backed by the government with a grant of \$300 off the total installation and an interest free loan for up to 36 months.

We have a register of plumbers nationwide that can give you a free quote on any system. Visit our website at [www.reidtechnology.co.nz](http://www.reidtechnology.co.nz) for more information, call 09 4898100 or 0508 4 SOLAR or email [sales@reidtechnology.co.nz](mailto:sales@reidtechnology.co.nz) for further assistance on products, installation, technical advice and check which plumber is in your area.



**BEASLEY** SINCE 1938  
HOT WATER SOLUTIONS

**BEASLEY**  
**BEACON**  
The Leading Light in Solar