

Small & Large Off-Grid Solutions

Project Examples	Location	System Size / Type
LADY ELLIOT ISLAND	QLD	110kWp HYBRID SAPS / ISLAND RESORT
BEETALOO STATION	NT	34KWp HYBRID SAPS / CATTLE STATION
BOODJAMULLA NP	QLD	30KWp HYBRID SAPS / RANGER STATION
LOW ISLAND	QLD	5KWp HYBRID SAPS / RESEARCH STATION
MCPHEE FAMILY	QLD	3.8KWp SOLAR SAPS / PRIVATE RESIDENCE
KOCK FAMILY	QLD	2.4KWp SOLAR SAPS / PRIVATE RESIDENCE

Off-Grid Energy Systems

At Tropical Energy Solutions we work hard to make every system installation a success for our clients as we rely on great customer experiences to grow our business. Our services do not end when the materials are installed and the invoices are paid. Please ask us about a Tropical Energy Solutions system in your area and we will put you in contact with a system owner.

stand alone power systems
for tough environments

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Off-Grid Energy Systems

At TROPICAL ENERGY SOLUTIONS we design, build and maintain stand-alone power systems that meet the tough requirements of tropical locations.

Be it a remote cattle station in the outback, a beautiful reef island resort, or a weekender in the rainforest, we understand the special challenges these environments can create and have a system solution to suit you.



WHERE TO START?

Want to reduce your diesel fuel bill? The cheapest power is the one that you don't use. Tropical Energy Solutions offers comprehensive Energy Auditing and Load Profiling Services to first reduce your energy consumption and then to size an economical system that is right for you. We also help you upgrade your current lighting and appliances to reduce or shift demand.



WHY ARE HYBRID SYSTEMS SO EFFECTIVE?

Hybrid systems combine solar, wind or hydro generators with a diesel generator and battery bank. These technologies are most efficient when combined. Our systems aim to utilise "every ray of sunshine" and "every drop of fuel" to provide energy efficient hybrid systems that are cost effective, can incorporate existing energy facilities, and can be implemented in a staged approach to satisfy changing requirements.



CAN I AFFORD A HYBRID POWER SYSTEM?

Hybrid power systems have become very affordable in recent years. The mass production of solar modules and inverters, bundled with a strong Australian Dollar, allow us to design high quality systems that pay for themselves within a few years. Rising fuel costs and cuts to fuel subsidies also improve the cost competitive nature of hybrid power. In addition government incentives are available to help finance off-grid hybrid power systems. Call us today to find out more.

TROPICAL ENERGY SOLUTIONS BENEFITS

- Experienced in Remote Communities
- Tropical Environment Specialists
- Customised Design
- Funding & Grant Application Assistance



QLD specialists
in stand alone
power systems

IMAGE: LADY ELLIOT ISLAND
110KWP HYBRID SAPS



Project Case Study

4.2KWp RURAL SOLAR SAPS SYSTEM

HIDDEN VALLEY STATION is a cattle station in North Queensland located 20km from the public grid.

Tropical Energy Solution System

- 22 x 190 Watt solar modules
- 8 x 700 Ah batteries
- 5000 Watt inverter System

System Benefits

- Power supply for 2 households
- Provides 100% of power needs
- 100% reduction in fuel consumption
- 100% reduction in greenhouse gases
- > \$17,000 funding assistance

CALL US FOR AN OBLIGATION FREE QUOTE (07) 4772 7394