

Reliable, renewable energy to the most remote places

Base Power's all-in-one energy system uses the sun to generate electricity through photovoltaic (PV) solar panels. Excess energy is stored in batteries, with the option of a backup generator for times of low light or high load.

A stand-alone power system (SAPS), Base Power is set up on your property without the need to be connected to traditional network power poles and lines.

Designed especially with remote locations in mind, with Base Power you can expect at least the same quality power – or in many cases, even better – than you would receive from your local lines power supply.

How it works:

Our off-grid power technology works by using a combination of solar power, an energy storage unit (ESU) and an optional generator.

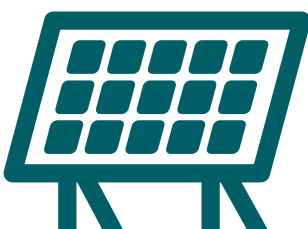
Base Power generates electricity by storing and using energy from the sun through photovoltaic (PV) solar panels. The smart system stores the electricity in batteries so it's available when you need it, even when the sun isn't shining. The automated system ensures it uses the renewable solar energy first to deliver reliable, high-quality electricity.

Interactive components seamlessly manage the electricity flowing between the solar panels, batteries, backup generator and you. The stand-alone power system is remotely set up on your property without the need to be connected to the main power supply, but can be integrated with the grid and other energy sources such as wind, bio-fuels and alternative gases.

Base Power V2 units are suitable for a wide range of uses, from powering homes to baches and huts, to workplaces, remote dwellings, small shearing sheds, and can even provide supplementary power supply to cowsheds. They are on-grid and off-grid capable and can also integrate existing / other energy sources.

What's included?

A standard V2 Base Power installation includes:



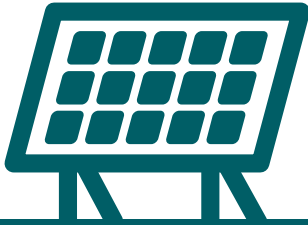
High output **solar PV panels** to harvest renewable energy from the sun



Energy Storage Unit (**ESU**) which houses the batteries, switchboard and display panel



A **generator** to provide supplementary power to the batteries if required



Solar:

Energy Storage Unit:

Generator:

370/400W+ Solar PV panels	6-16 x Simpliphi 48V 3.8kW/hr battery	Caterpillar diesel engine
Efficient and durable panel type	1-3 x Schneider XW Pro 8.5 kW hybrid Inverter	Concrete pad
Low temperature design suitable for NZ climate all year round	1-4 x Schneider MPPT 6kW solar PV charge controller	69L fuel storage
Secure modular frame to support panel array	Programmable logic controller & Wifi compatibility / remote monitoring capability	11-16kVA
Standard array design 10x3m (20 panels)	HMI with LCD touch screen	12V DC start battery and electronics
21.1% module efficiency	General purpose outlet (GPO)	Secure enclosure
25-year performance warranty	Automatic generator start controller (AGS)	Auto-start configuration
	230V single phase or 400V three-phase output	
	Switchgear, providing protection and electrical isolation	
	Lockable & sturdy aluminum frame with powder coated cladding – lockable and safe to touch	

Energy your way:

We value your energy independence choice and believe in providing you with the most effective means of generating your own renewable power and supporting the way you want to use it.

An important part of this is empowering you in your off-grid journey by providing full training with our energy products.

This is so you're not only energy independent, but also self-reliant in maintaining and managing your energy needs.

As we're continuously developing our technology, our high-quality power solutions are designed specifically for your individual needs, so we can scale-up to meet any growing energy needs you may require.

No two customers' energy needs are the same, that's why at Base Power our stand alone power system (SAPS) technology is specifically customised for your individual energy needs, with options to scale-up if your energy needs grow.