



RedEarth

ENERGY STORAGE

**You focus on living.
We'll keep you **powered.****

From homes to industry, RedEarth
powers Australia with smart batteries
and EV-ready energy systems.
Trusted nationwide.



WHY REDEARTH

About us	p.2
Why choose us	p.10
Our partners	p.11

HARDWARE SOLUTIONS

Residential	p.4
Tropo batteries	
BlackMax	
Gecko	
BushChook	
Dingo 29.9 & 50	

Commercial	p.6
Powering your large-scale projects	

Revolutionary Technology	p.8
V2G EV chargers	
Microgrid-in-a-box	

SOFTWARE SOLUTIONS

Private Power Plant	p.9
---------------------	-----



Putting **your power** back in your hands.

RedEarth is leading Australia's transition to a **decentralised, electrified, and customer-empowered** energy future.

We're creating **innovative, cost-effective** solutions that allow energy users—from households to commercial and industrial (C&I) sites—to **make, use, store, and trade** their own electricity.

By combining **local manufacturing with advanced software**, and participation in emerging energy markets, we are building not just products, but a platform for the future of energy.

Established May 2013



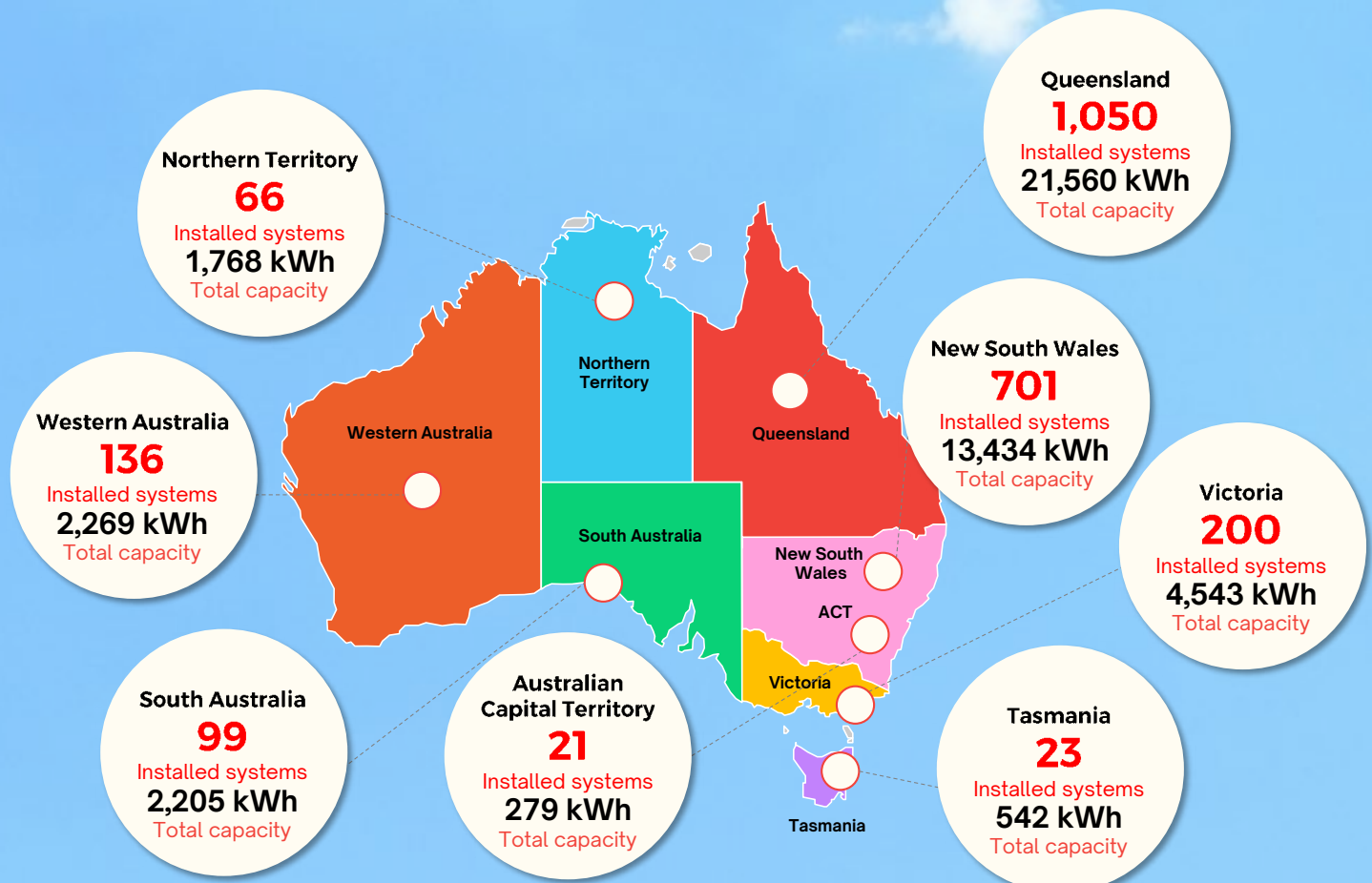
A nation-wide network

Over **2,300** RedEarth battery storage systems (as of March 25), representing **~48,200kWh** of capacity, have been installed across Australia since the beginning of July 2021.

Australian-made & owned. **Always.**

We design and engineer all of our products in our factory in Brisbane, Australia.

Made in Australia for Australian conditions.



Pictured: RedEarth was one of the select few Australian battery manufacturers invited to the release of the the Federal Government's National Battery Strategy by Prime Minister Anthony Albanese, the Hon Ed Husic, Minister for Science and Technology, the Hon Queensland Premier Stephen Miles and Hon Leanne Linard, MP for Nudgee, at QUT Battery research centre in Banyo, Queensland.

Clear skies. **RedEarth.**

Our commitment to accessible, renewable energy

RedEarth is a proud supporter of the Australia's vision to become a world leader in solutions to address climate change. Choosing RedEarth is a choice for the planet.



Want **Australian-made, scalable** energy solutions? No worries.

Whether you are looking for on-grid, off-grid, hybrid, or microgrid, RedEarth has the energy system for you.

With RedEarth, you will find the perfect solution to power your home or business. From a tiny off-grid caravan, to a McMansion, our battery energy storage systems are designed to grow with your needs.



Our own **battery**.



RedEarth's own battery, Troppo, is made in Brisbane. It is a self-managed battery that uses the safest lithium ion chemistry available, Lithium Ferro Phosphate (LFP).

Troppo is the first ever Clean Energy Council approved Australian-made battery module.

Residential systems.



BlackMax

Power output
Up to 6kW

Battery
Up to 12.3kWh

Rating
IP43



Gecko

Power output
Single phase:
5kW, 8kW, 10kW

Three phase:
12kW, 15kW

Battery
Up to 32.8kWh

Rating
IP43



BushChook

Power output
Single phase:
5kW, 8kW, 10kW

Three phase:
12kW

Battery
Up to 32.8kWh

Rating
IP43



Dingo

Rated power
50kW*
(29.9kW* option)

Battery
Up to 61.4kWh*

Rating
IP55

**per cabinet
Modular storage options
up to 500kW, see page 10
for large-scale commercial
options.*

What difference to your electricity bills have you seen?

“For our family it is really seasonal, but we have effectively reduced our demand off the grid by **three quarters**. When its rainy and cold and my children fire up the air-cons for heating (something I discourage!) we need the grid. But nice blue sky days and we are happily energy independent and actually **net contributors**.”



STC approved
rebate eligible!



RedEarth
ENERGY STORAGE

Pictured: Customer James Kruger at home with his RedEarth system



Vault-6

Extra batteries?

Easily store your backup batteries in our **pre-wired** battery enclosure

Store up to six Troppo LFP batteries (24.6kWh) in our Vault-6 enclosure. Comes with pre-wired Bus bar and all battery connection cables included.

Need something bigger?

Combine Gecko or BushChook with a custom **AC Combiner Box** to **double** the continuous power output.



Commercial systems.

Powering your large-scale projects

RedEarth Commercial and Industrial (C&I) is our industrial projects division, focusing on high quality solutions designed to meet the needs of large businesses and operations. Each system is carefully assembled, tested and monitored by our team of highly-trained engineers in our Australian ISO 9001 factory.



Our turn-key, large scale battery energy storage come with a range of world class benefits, including:

- Modular design with scalable battery capacity
- Fully integrated, ready-to-run design
- RedEarth proprietary custom-engineered software and remote monitoring service
- ROI benefits via RedEarth's Enterprise Power Plant (EPP)

Dingo

Australia's **easiest** C&I system to install. Outdoor-rated, on- and off-grid modular energy storage up to 500kW.

PowerOasis

C&I-focused containerised BESS solution from 100kW/200kWh to 2.5 MW/10MWh

A complete solution.

RedEarth has a full range of certified support services and components available to make installation easy.

RedEarth-certified components

- ✓ AC Combiner Box to combine systems
- ✓ Network Protection Board
- ✓ EV Fast Charger 25+kW (EPP compatible)

Engineering support services

- ✓ Single line diagram service
- ✓ Engineering support service
- ✓ Generator compatibility support service
- ✓ PV array design support service
- ✓ Satellite Starlink (local WiFi service)
- ✓ Factory/onsite support and training
- ✓ RedEarth remote monitoring service
- ✓ RedEarth's Enterprise Power Plant (EPP)



OFF-GRID
RESORT



LARGE
RESIDENTIAL



HOSPITALS/
MEDICAL



COMMERCIAL
BUILDINGS



CATTLE
STATION



OUTBACK
FARM



MINING
CAMP



APARTMENT
BUILDINGS (EV)



Need something customised?

We can build a bespoke containerised system for your unique requirements. Contact our friendly team to find out more.

Why did you choose RedEarth for this project?

“What we have found with RedEarth is that it’s a **very customised, very specialised** approach. The back-to-base monitoring, the remote service offering, as well as the after product support from RedEarth, is **invaluable**. From a business point of view, and for a solution in a remote area, *it was really a no-brainer.*”

—Nick, Boisos Electrical



Pictured: An off-grid RedEarth commercial system in a caravan park in Carnarvon Gorge, QLD.

Global partnerships. Revolutionary technology.

RedEarth has been leading the charge in the electricity revolution since our inception in 2013.

Our commitment to Research and Development and pioneering technologies has made us industry leaders in making homes and businesses *future-ready*.

RedEarth fosters and sustains strategic global partnerships to ensure we remain at the forefront of market-leading technology developments, enabling us to fast track world-first advancements to our customers.



ambibox



NEBULA

Vehicle-to-Grid (V2G)

Australia's first V2G bi-directional charger.

Charge your home with your car

In an Australian-first, RedEarth will manufacture bidirectional chargers that will enable EV owners to charge or discharge their EVs to their home or to the grid.

No solar or home battery system? No worries.

With the breakthrough technology of V2G DC EV chargers, you don't need solar, a BESS (battery energy storage system), or to even own your own home to take advantage of battery power—your car will do the work for you.

Energy trade with your car

EV owners will be able to use their cars as a Private Power Plant, meaning opportunities to use additional revenue streams to power the grid and reduce reliance on grid electricity, putting the power and control back into the customer's hands.

Microgrid-in-a-box (MIB)

World's first residential Microgrid-in-a Box

All-in one system

MIB is an integrated hardware and energy management system that combines solar, energy storage, and bidirectional EV charging.

Support local grid stability

MIB will redefine the future energy grid by enhancing the local utilisation of renewable energy and supporting grid stability at the same time.

Become truly energy independent

MIB manages and distributes electricity in a smart and affordable way. It works seamlessly with electric vehicles to send power back to your home (V2H) or the grid (V2G), reducing the size or need for a home battery. Real-world testing shows it can cut energy costs by up to 60%. It can also earn money for homeowners who sell energy back to the grid, making it possible to reduce household energy costs to zero.

Pictured: RedEarth Senior R&D Projects Engineer Shree Shelke testing our V2G charging technology in our Brisbane factory.



Your own Private Power Plant.

Control your power with RedEarth.

RedEarth offers our proprietary, cloud-based software. Our Private Power Plant (PPP)—or Enterprise Power Plant (EPP) for commercial systems—is a platform of products and services designed to maximise the value of your system, and help you control your own energy consumption and production.

Go beyond the battery.

Our ever-growing set of PPP modules include:



Optimum Monitoring

Reliable 4G monitoring and system health checks



Remote Control

Use your battery like a remote



Energy Trading

Access wholesale pricing and our trading algorithm



Smart EV Charging

Flexible car charging (incl. V2G)



Peer to Peer

Share your excess power with family and friends



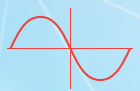
Blackout Protection

Turn on Disaster Protection Mode



Smart Load Control

Manual or automatic control of high power load items



Peak Shaving

Reduce your dependence on grid during high load times

Did you know?

Your rooftop can generate **up to three times** more solar energy than you use? Time to turn your excess solar energy into a revenue stream by turning your home in to your own **Private Power Plant**.

“I haven’t paid a cent in over eight months, **I’m always in credit!** Since joining with RedEarth, I haven’t looked back.”

—Alan, RedEarth customer

Power yourself.

Why choose **RedEarth**?



Australian Made

Support local industries with high-quality, homegrown solutions, designed and engineered in Brisbane.



Easy to Install

With customers in mind, our systems have been developed for quick and easy installation and minimal onsite time and cost.



Low maintenance

We like to keep things simple, so our products are designed to be easy to install and set and forget.



Scalable

Got an EV or added to your family? No worries. RedEarth's systems are made to grow with your needs.



Private Power Plant

With RedEarth you have access to our proprietary Private Power Plant. Start earning and take your own power back!



Support

Our systems can be remotely monitored from your mobile device. We also have an Aussie-based support team on call.



Large or small

Whether you want to power your off-grid tiny home or your large-scale commercial enterprise, RedEarth has the perfect solution for you.



Warranty

RedEarth uses the highest quality components, and we stand by what we do. All our products have a comprehensive warranty of up to 10 years.



Save the planet!

Stop using dirty, coal power and start using clean, green energy. And why not get paid for it? It's easy being green with RedEarth.

We work with **distributors** Australia-wide

At RedEarth, we value strong relationships with our suppliers, focusing on teamwork and collaboration rather than just transactions. We work together to create innovative solutions and maintain a flexible supply chain.



Our energy solutions are **safe**
easy
reliable
efficient
scalable
plug 'n' play
Australian
durable
high quality
modular
trusted
smart

Pictured: A BlackMax powering an off-grid farm in Alice Springs





All of RedEarth's products are fully engineered, assembled, and tested to Australian standards at RedEarth's factory in Brisbane.

We offer regular in-house and online training to our resellers and installers. Contact us to find out more.



RedEarth
ENERGY STORAGE



Need support? No worries.

RedEarth is with you all the way, from technical support during installation, to ongoing monitoring and guidance for your system for years to come. Our Australian-based team is on call to make powering yourself as easy as possible.

Power yourself.

www.redearth.energy
1800 RE ENERGY (1800 733 637) | sales@redearth.energy
15 Fienta Place, Darra, Brisbane, QLD Australia 4076