



**SPINIFEX ENERGY**  
AUSTRALIAN ENERGY SOLUTIONS

# CAPABILITY STATEMENT

---

Renewable energy solutions for commercial,  
industrial and rural sectors.

# MESSAGE FROM THE FOUNDER & DIRECTOR

---

As the Founder and Director of Spinifex Energy, I appreciate your interest in our organisation and the potential benefits our renewable energy solutions can offer in terms of reduced costs, energy independence, and building a more sustainable future.

At Spinifex Energy, we firmly believe in the transformative power of renewable energy for businesses and communities. Having grown up on a remote cattle property in the Northern Territory, I have a deep understanding of the values of honesty, ethics, and hard work ingrained in such environments. In this setting, entirely dependent on diesel power, I witnessed the limitations and costs associated with traditional energy sources and recognised the immense value of embracing sustainable energy solutions.

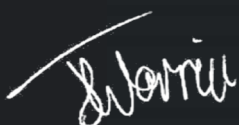
With a background in agriculture and experience working with renowned names like Kerry and James Packer, Deloitte, and CBRE, I have learned that sustained success relies on continuous improvement, environmental and social responsibility, lower capital expenditure, and revenue generation.

Motivated by these principles, I founded Spinifex Energy, where we partner with businesses and rural communities across Australia to capitalise on renewable energy opportunities that align with these priorities. As a Clean Energy Council approved solar retailer, we specialise in designing, installing, and maintaining solar power and battery storage for the commercial, industrial, and rural sectors.

At Spinifex Energy, we understand that every business has unique needs and goals. That's why our experienced team conducts thorough assessments of your operations, enabling us to develop tailored solutions that leverage the latest renewable technologies, tap into government grants and rebates, and maximise energy production and financial returns.

What sets us apart is our startup mindset and innovative approach. We have successfully attracted some of Australia's biggest brands and developments, enabling them to not only save thousands of dollars in energy costs but also achieve energy independence and generate significant additional revenue streams.

We invite you to join our growing family of satisfied clients who have embraced the future of energy. At Spinifex Energy, we are committed to providing reliable, efficient, and sustainable solutions that drive your success while making a positive impact on the environment.



**TOM WARRINER**

Director  
Spinifex Energy



# THE POWER OF OUR DISTINCTIVE APPROACH



Spinifex Energy is an independent and locally operated renewable energy solutions provider, proudly partnering with hundreds of businesses and rural properties to reduce energy costs, enable energy independence, and generate additional revenue streams.

As the global demand for climate action intensifies and the need for renewable energy and storage becomes more critical to addressing the current energy crisis, it can be challenging to choose the right provider for such a significant investment in your future. Amidst numerous providers, Spinifex Energy stands out by embracing innovation and staying at the forefront of the renewable industry.

We understand the unique complexities of commercial operations and rural properties, ensuring our clean energy solutions meet immediate power demands while allowing for future growth and scalability. With our start-up mindset, we collaborate with major global brands, providing clients with the latest technologies and applications.

Unlike most solar installers, we are not bound by limitations. We fearlessly explore alternative perspectives and unconventional approaches, building fully tailored clean energy solutions to meet the specific needs and goals of each client.

We aspire to be leaders rather than followers and seek to partner with businesses and communities that share our vision and are willing to push the boundaries, making Australia a prominent player in the renewable sector.

Our distinctive approach is defined by the following core elements that set us apart in the market by delivering an exceptional experience and tangible results.

\*Available to customers signed on to the Whole of System Warranty and Generation Guarantee program.



## Experience

We have a track record of consistently delivering investment-grade solar power and battery storage solutions across the commercial, industrial and agricultural settings.



## Guarantee

We offer an industry-leading 5-year money-back generation guarantee to cover any shortfall between our predictions and actual generation. All our systems are also covered by a 10-year workmanship warranty.



## National Vendor Network


















With our extensive connections to a national network of highly skilled vendors, we have the ability to promptly access available stock and mobilise a team from any location in Australia, significantly reducing installation and maintenance timelines.




## Monitoring & Maintenance

We offer 24/7 live monitoring services with a monthly health and performance report. We also provide a free annual maintenance check-up\* to ensure maximum efficiency, with the option to upgrade to more extensive maintenance packages.

# POWERING BUSINESSES AND COMMUNITIES ACROSS THE NATION

-  **Olive Vale Pastoral**  
100kW Solar PV  
640kWh Battery Storage
-  **Vicon Transfers**  
100kW Solar
-  **Harvestvale Hay**  
40kW Solar PV
-  **Timber Tots Childcare**  
35kW Solar
-  **Electrogroup Training**  
100kW Solar, 50kWh Battery Storage, Wind Turbines, Single and Dual Axis Tracking, Solar Carport
-  **Brisbane City Council Library**  
78kW Solar PV
-  **Hewitt Cattle**  
150kW Solar,  
960 kWh Battery Storage
-  **Rydges Gold Coast Airport**  
40kW Solar PV
-  **ASC**  
72kW Solar
-  **Pantex Roofing Systems**  
100kW Solar
-  **Sawpit Homestead**  
13kW Solar PV  
32kWh Battery Storage
-  **Poplar Precinct**  
5kW Solar PV  
28kWh Battery Storage
-  **Prime Flowers**  
112kW Solar
-  **National Storage**  
100kW Solar
-  **Townsville Hotel**  
100kW Solar
-  **The Jungle**  
100kW Solar PV
-  **Shearers Arms & Boardwalk Tavern**  
199kW Solar PV

 Translucent circles represent areas where many systems have been installed

**+ 1,000 more commercial entities and Rural properties across Australia**



**Thanks for your help to scope, source and install the right solar solution for our office and laboratory. There were some frustrating delays with our energy provider, but you went above and beyond to help us get through everything and get our system up and running**

**The system you designed is the right fit for us to - much better size and specs than other quotes we received previously.**

---

**ANDREW PARRY**

Chief Executive Officer

Australian Superintendence Company

# CUSTOMISED SOLUTIONS FOR YOUR UNIQUE REQUIREMENTS

## Commercial Solar Systems

- Over 3MW of commercial projects delivered.
- Industry leading guarantee on generation, post-installation servicing, and ongoing maintenance and support.
- Clients include Brisbane City Council, Rydges, National Storage, and Kane Constructions.

## Battery Storage

- Over 2MWh of batteries installed.
- Lead-acid, lithium-ion, and flow battery technologies available to provide optimum storage based on your conditions.
- Experts in FCAS market revenue generation to reduce payback periods and invest back into your business.

## Small Off-Grid Power System

- Flawless record of uninterrupted power supply for all small off-grid systems installed
- Ideal for cabins, weekenders, hobby farms, tiny homes, beach huts, sheds and garages, workshops, and residential properties with costly or unreliable grid connection.
- Installed by an accredited technician, with options to be mounted on the roof or on ground frames.

## Large Off-Grid Power System

- Over 800kW of solar and 1.6MWh of battery storage installed across Australia.
- State-of-the-art power systems for farms, stations businesses, multiple dwellings and even villages.
- Engineered designs which can be installed in existing infrastructure or arrive on-site as a fully customised containerised system.
- Combination of solar panels, batteries, micro-hydro and generators utilised to suit your conditions and can grow with your energy needs.



## Specialty Services



Solar Carports



Single & Dual Axis Tracking Solar



Wind Turbines



EV Charging Stations



Solar Fleet Management



Battery Revenue Modelling

# COMMERCIAL SOLAR SYSTEMS

Spinifex Energy is the trusted partner for Australia's leading brands, including Brisbane City Council, Rydges, Prime Flowers, and National Storage, delivering high-quality commercial solar solutions. With a proven track record, we have successfully installed over 3 MW of commercial solar PV, tailoring bespoke solutions for a diverse range of properties.

Excellence is at the core of our values, and we stand behind our work with a guarantee on generation, post-installation optimisation, and servicing. Our comprehensive commercial solar energy service encompasses consultation, energy modelling, system design, financial analysis, procurement, engineering, project management, installation, monitoring, and system servicing agreements. With our fully managed turnkey approach, you can trust us to deliver exceptional quality in system design and installation, surpassing ROI and production expectations for our clients.

We understand that navigating the path towards energy cost reduction and sustainability can be overwhelming for businesses. We make the process seamless by providing expert guidance at every step. Our team of specialists will work closely with you, ensuring a deep understanding of your unique business needs and goals. This meticulous approach allows us to craft custom commercial solar systems that perfectly align with your objectives, guaranteeing optimal performance and maximum benefits for your business.

From rooftop solar systems to solar carports, single- and dual-axis tracking systems to ground-mounted installations, we offer a range of flexible solutions to meet your unique requirements.

3MW

TOTAL CAPACITY INSTALLED

2 Hectares

OF PANELS INSTALLED

5 Days/100kW

AVERAGE INSTALL TIME

## Benefits to your Business

- Cash flow neutral or positive solar with clean energy financing, rebates and lower energy costs.
- Protect your operational budget from energy volatility.
- Generate additional revenue streams to invest back into your business.
- Solar carport structures available to turn unutilised space into a high production power plant.
- A progressive message to your market about your sustainable values.



Pantex Roofing Systems - 100kW Solar PV



# Helping QLD Pub Group Alleviate the Impact of Rising Electricity Rates

## Region


Ormeau & Hope Island  
Queensland

## Client

Shearers Arms Tavern &  
Boardwalk Tavern

## Tailored Renewable Energy Solution

- 199kW System
- 480 x Canadian Solar Panels
- Structural and Electrically Engineered



Matt Coorey, QLD's 2019 Hotelier of the Year, owns and operates two renowned pubs in Southeast QLD: **Boardwalk Tavern and Shearers Arms**. Faced with rising costs and an energy crisis, Matt sought a trusted solar solutions partner to address his establishments' substantial electricity expenses, projected to double. Engaging Spinifex Energy for a **comprehensive assessment of his energy needs, monitoring and reporting, and after-market support to design a tailored solution to deliver significant savings and uninterrupted power supply to his busy hospitality venues.**

## How We Helped

We conducted thorough data collection and site analysis, considering factors like peak energy consumption, energy rates, peak demand, and roof suitability. We discovered concerns with roof shape, installation zones, aesthetics, and optimizing hardware placement for enhanced design longevity. To address these issues, Spinifex Energy designed a 100kW system for each venue, maximising roof space and ensuring uninterrupted power for the bar, restaurant, gaming, and bottle shops extended operating hours.

## Benefits

With energy market insights, careful hardware selection, and extensive commercial experience, Spinifex implemented a solar solution projected to save over \$70,000 annually with a 3-year payback. Strict communication, seamless logistics, and thorough site preparation, along with expertise from design engineers and installers, ensured a smooth connection process and handover without disrupting the business. The bespoke solution prioritised monitoring, reporting, and prompt after-market service for optimal performance and return on investment, crucial to the client.



# BATTERY STORAGE

Hewitt Cattle - 960 kWh Battery Storage

Spinifex Energy offers a comprehensive range of commercial battery storage solutions that empower businesses to achieve complete renewable energy independence. Our advanced solar battery technology reduces reliance on the power grid during limited sunlight and brings numerous benefits to businesses, including enhanced energy efficiency, reduced costs, and protection against future energy volatility.

The renewable energy industry is on the verge of a breakthrough with the widespread adoption of storage solutions. Storage effectively addresses all the challenges posed by a renewable energy-based economy by efficiently capturing excess energy and deploying it during times of energy deficit. It caters not only to on-site requirements but also to peak demand moments beyond your premises. Storage must play a pivotal role in achieving a grid powered entirely by renewable energy, and we are committed to making that a reality.

At Spinifex Energy, we possess comprehensive knowledge of various storage technologies, including lithium-ion, lead-acid gel, and vanadium. Our team understands that successful storage projects require deep product expertise to engineer optimised solutions, and we are committed to consistently delivering financially attractive storage projects.

Additionally, our turnkey battery energy storage systems enable our clients to participate in market trading and utilise FACS market revenues, leading to shorter payback periods and remarkable savings over the system's lifespan, which they can reinvest into their businesses.

Looking ahead, we anticipate a significant decrease in the price of solar batteries in the upcoming years, making solar battery storage more affordable than ever before. The growing desire for off-grid solutions will drive this affordability, which is why all our solar solutions are backup-compatible.

## 2MWh

TOTAL CAPACITY INSTALLED

## 960kWh

LARGEST SYSTEM



## Benefits to your Business

- Enhanced energy efficiency through the utilisation of clean, free energy stored and readily available for use at any time of the day.
- Lower energy costs by utilising solar energy during periods when the system is not actively generating, rather than relying on grid power.
- Safeguard against energy volatility by reducing dependence on the grid.
- Creation of additional revenue streams to reinvest back into your business.
- Portable energy solution that can be relocated along with your business.

# SMALL OFF-GRID POWER SYSTEMS

Whether it's a desire for self-sufficiency, environmental sustainability, cost savings, or specific circumstances like remote property locations or high expenses associated with grid-connected power poles, more and more individuals are realising the advantages of relying entirely on solar energy to generate 100% of their electricity.

Installing a well-designed and cost-effective off-grid solar and battery storage system requires technical experience and practical know-how. All designs are run through a rigorous data collection and analysis process, including load profiling, environmental analysis, component selection, and integration.

With years of experience, we've mastered designing and maintaining off-grid systems for various properties like cabins, holiday homes, hobby farms, granny flats, beach huts, sheds, workshops, and those with expensive or no grid connections. Our designs prioritise simplicity, and all systems are factory-tested and ready to install. Our solutions are also scalable and can be expanded as your needs evolve.

We carefully select high-quality equipment known for its robustness and reliability, especially in Australia's tough conditions. As one of Australia's most experienced energy storage companies, we are 'channel partners' for renowned brands such as Tesla, BYD, Battery Energy, Sonnenschein, PowerPlus, and RedEarth.

Customer support and reliable power supply are paramount to us. With our 24/7 troubleshooting and after-care support, you have peace of mind knowing help is always available. Our system monitoring and maintenance service optimises your solar panels for maximum energy capture, providing visibility into system performance and alerts for potential issues.

Our stand-alone power systems require minimal space and can be conveniently installed in a utility shed or our weatherproof and fully self-contained enclosure. You can choose to mount the solar panels on your roof or ground frames, offering versatile installation options.



4 - 40 kW



Workshop & Shed



Hobby Farm



Tiny House



Holiday Home



Remote & Rural  
Properties

## Delivering you Value

- Zero monthly energy costs with your power generated 100% from the sun.
- Easy alternative power source for rural and remote areas.
- Scalable energy solution that can be added to as your energy needs evolve.
- Minimise your negative impact on the environment.
- Complete energy independence without the risk of power outages.





# Helping Family to Affordably Power Their Dream Rural Home

## Region

Rockmount  
Queensland

## Client

McDouall Family  
(Scott and Simone)

## Tailored Renewable Energy Solution

- 13kW Solar System
- 32 kWh BYD Lithium-Ion Battery Storage
- Integrated with Back-up Kubota Generator



The McDouall family's dream home block in the outskirts of Toowoomba offered scenic views and proximity to town, but faced challenges like dirt road access, hilly terrain, and limited essential services. Seeking an electrical connection, they found the cost from Ergon to be too high. Spinifex Energy, specialising in off-grid solutions, analysed their usage and environment to recommend solar panels, inverters, lithium-ion battery storage, and a backup generator. The solution proved more cost-effective than grid connection, enabling the family to achieve self-sufficiency and power appliances, including air conditioners and a bore pump, even in bad weather.

## How We Helped

Spinifex analyzed the family's electricity usage, future needs, and environment, considering volume, peak demand, average daily load, climate, satellite, 4G signal, and access. A premium off-grid solution was recommended, including Sunpower solar panels, Fronius and Selectronic inverters, BYD lithium-ion battery storage, and a back-up Kubota generator. The solution cost less than grid connection, mitigated future electrical costs and supported multiple appliances, including air conditioners, a kettle, and a bore pump, meeting the family's comfort needs.

## Benefits

Spinifex's comprehensive data collection and processing led to an accurately designed solar solution that eliminated the McDouall Family's ongoing electricity costs. Integrating the system into their shed construction maximised generation capacity and efficiently utilised space. The battery system was also designed for infrequent discharge beyond 70%, extending its lifespan. Since installation, the generator has only operated during scheduled maintenance cycles, and the system has consistently performed at its peak capacity, even in bad weather.

# LARGE OFF-GRID POWER SYSTEMS



Spinifex Energy specialises in large-scale off-grid solar systems, offering an ideal solution for those in remote areas where connecting to the national electricity network is costly or not feasible. Our extensive range of robust connected products is designed to thrive in harsh climates, offering efficient and cost-effective solutions for multiple dwellings, farms, government organisations, communities, and businesses.

Drawing on decades of experience, we excel in analysing site energy load characteristics, including volume and peak loads, understanding usage behaviour, and predicting future requirements to produce custom designs. Our unparalleled off-grid capabilities include intuitive remote monitoring, management and maintenance of our sophisticated systems, and ongoing aftercare support.

Ranging from 100kWh to 1MWh and above, we deliver a modular solar and battery storage solution for large customers, focusing on maximising yield, innovative cost reduction strategies, and improving ROI. Customers trust Spinifex Energy to deliver innovative off-grid power systems, including single- or dual-axis or fixed ground-mounted arrays, custom climate-controlled containerised battery storage solutions, and back-up generator integration.

Our large-scale off-grid solutions are designed by engineers to ensure suitability, durability, reliability, and longevity. Our goal is to provide an uninterrupted power supply that is more reliable than the national electricity network. Our modular designs predict and allow for easy expansion of our systems if and when your site requirements change.

Designing an off-grid power system requires a different approach. Our team of specialists addresses the technical challenges associated with establishing an independent power supply, considering factors such as location, power usage profile, and budget. We ensure a seamless installation process and can provide financing and guidance on available rebates and funding.



**50kW- 5MW**



**Farming & Agriculture**



**Property Development**



**Businesses**



**Small Communities**



**Remote & Rural Properties**

## Benefits to your Business

- Engineered designs ensure industry best practices are followed and the highest system efficiency is achieved.
- Reduction or elimination of fossil fuels, which sends a progressive message to your market about your sustainable values.
- Safeguard against energy and fuel volatility by reducing dependence on the grid.
- Uninterrupted supply with backup generator integration.
- Ongoing support with monitoring, maintenance, and servicing



# Enabling Expansion and Productivity for Leading Agricultural Company

## Region

Alice Springs,  
Northern Territory

## Client

Hewitt Cattle Company

## Tailored Renewable Energy Solution

- 150kW Ground Mounted Solar System
- 960kWh Sealed VRLA Gel Battery Storage in Climate-Controlled Storage Containers
- 12m Telecom Tower

Hewitt Cattle, a leader in the Australian agricultural industry, sought to upgrade their existing electrical infrastructure across their recently acquired property portfolio. They aimed to centralise their operations and reduce costs by using a single homestead. Spinifex Energy, chosen for their rural expertise, recommended a 150kW off-grid solar system and 960kWh of sealed valve-regulated lead-acid (VRLA) gel battery storage, known for their high power output and longevity. The system was carefully designed to accommodate current and future needs, with a telecom tower for better communication and climate-controlled containers for equipment storage.

## How We Helped

Spinifex conducted a comprehensive assessment of Hewitt Cattle's current challenges and future needs. This involved evaluating solar size, battery capacity, and back-up generation to prevent component strain common in harsh rural settings. The system was designed to allow for future growth, including a commercial kitchen and additional accommodation. It also incorporated a telecom tower to enable monitoring, climate-controlled containers to extend equipment life, and sealed VRLA gel batteries with high power output and a 15+ year design life.

## Benefits

To maintain daily operations the system had to flawlessly operate within its specified parameters, averaging 15-25kW hourly and consuming 250-350kWh daily. Recognizing the need for significant capital expenditure to generate their own power, Spinifex was strategically selected based on their product knowledge and rural experience, crucial for understanding the challenges of distance, climate, and harsh conditions. Since installation, the system has consistently performed as intended, enabling Hewitt Cattle to meet their growing power needs.

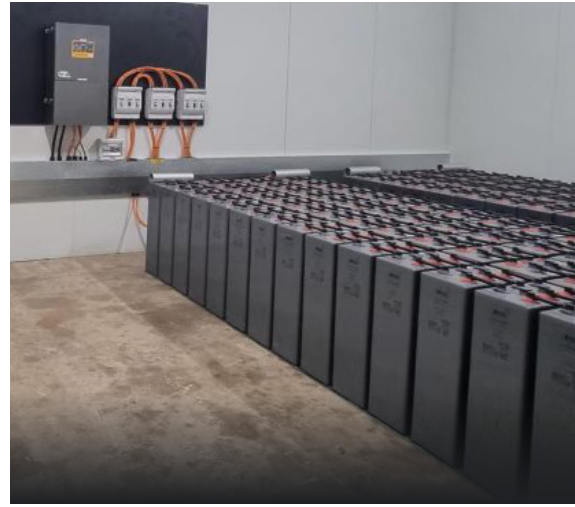


# SHOWCASING OUR EXPERTISE

---



**Grain Superintendence Company**  
72kW Solar PV



**Olive Vale Pastoral (Ryan Global)**  
100kW Solar PV, 640 kWh Battery Storage



**The Jungle Adventure Playground**  
100kW Solar PV



**Rydges Gold Coast Airport Hotel**  
40kW Solar PV



**Bracken Ridge Library**  
100kW Solar PV



**Timber Tots Childcare**  
35kW Solar PV



**Prime Flowers**  
112kW Solar PV



**Victor Transfers**  
100kW Solar PV



**Electrogroup Apprenticeships & Training**  
100kW Solar, 50kWh Battery Storage,  
Wind Turbines, Single & Dual Axis Tracking,  
Solar Carport



**Shearers Arms Tavern**  
100kW Solar PV

## Delivering Renewable Energy Solutions for Australia's Leading Brands

**KANE**



**RYDGES**  
HOTELS · RESORTS



**VICON**



**MACKAY'S**  
Furniture Transport



**JIMBOUR** **ASC**



# OUR DISTINCTIVE APPROACH

---



## STEP ONE

### Assessment

One of the fundamental aspects of our approach is gaining a clear understanding of our customers' desired outcomes. We analyse energy consumption, demand patterns, and retailer pricing to develop a precise understanding of your current situation. We engage in comprehensive consultations to assess your specific needs, energy requirements, sustainability goals, and future plans. By actively listening and understanding your objectives, we can customise our solutions to deliver a bespoke solar installation that aligns perfectly with your vision.



## STEP TWO

### Design & Engineering

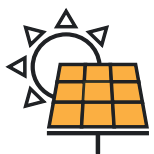
Our objective is to create a solar power system that maximises energy generation and enhances financial returns. To ensure the success of each project, we work closely with electrical engineers during the planning stage. By involving these specialists, we can fine-tune the system design to maximise energy production, mitigate potential challenges, and adhere to all applicable regulations. Leveraging their technical expertise, we can identify the most appropriate solar panels, inverters, and mounting systems that seamlessly integrate with the existing infrastructure.



## STEP THREE

### Feasibility Report

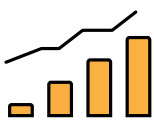
Our team at Spinifex has extensive experience in providing energy data analysis and feasibility reports for a wide range of projects, from small-scale 5kW rooftop solar installations to large-scale 150kW off-grid ground-mounted projects, as well as wind turbines, battery systems, and generator solutions. Our customised feasibility reports provide detailed information on project capital, energy yield, potential government incentives, project financials, and financing options, enabling you to make informed investment decisions.



## STEP FOUR

### Delivery

Spinifex has delivered projects ranging from 10kW to 200kW, covering a wide range of applications including rooftop, ground mount, car shade, battery storage, wind turbines, off-grid, and hybrid. Our team has experience in delivering every application possible and is committed to advancing the renewables industry, delivering industry firsts like Australia's first renewable energy training facility for Electrogrouop. We pride ourselves on our sustainable approach to installations, minimizing disruptions and carbon footprint. Through careful planning and advanced techniques, we reduce downtime and impact on daily activities and mitigate the need for drilling or structural modifications, preserving building integrity.



## STEP FIVE

### Service

With our state-of-the-art 24/7 live monitoring software, Spinifex ensures the continuous monitoring and maintenance of more than 1,000 commercial and rural properties throughout Australia. We provide each client with a personalised operational monitoring and maintenance program that takes into account the specific intricacies of their system and their choice between in-house management or outsourcing to our service team. Our strong network of national and local vendors enables swift issue resolution and on-site assistance, regardless of location. We uphold a consistent level of service in both metropolitan and rural areas, backed by performance guarantees and warranties.



# CUTTING-EDGE TECHNOLOGIES AND ADVANCED ANALYTICS

---

Spinifex Energy is at the forefront of harnessing cutting-edge technological advancements in the solar power and battery storage industry to provide you with enhanced benefits and return on investment. Throughout innovative approach, we leverage advancements such as bi-facial solar modules, axis tracking arrays, and advanced carbon catalysts in batteries.

## Bi-facial Solar Modules

Bi-facial solar modules are one of the key technologies utilised by Spinifex Energy. Unlike traditional solar modules that capture sunlight only from one side, bi-facial modules are designed to generate power from both sides. This enables them to capture sunlight reflected from surrounding surfaces, such as the ground or nearby buildings. By maximizing sunlight capture, these modules significantly improve the overall energy production, increasing the efficiency and output of solar installations. This translates into higher energy yields and greater returns on investment for our clients.

## Axis Tracking Arrays

Axis tracking arrays are another cutting-edge technology employed by Spinifex Energy. These systems use advanced algorithms and sensors to automatically orient solar panels towards the sun throughout the day, optimizing their exposure to sunlight. By dynamically adjusting the panel's angle and position, axis tracking arrays can capture more sunlight compared to fixed-tilt systems. This leads to increased energy generation, especially during periods of low solar intensity, such as mornings, evenings, and cloudy days. The improved sunlight capture results in higher energy yields and improved financial returns for clients.

## Carbon Catalysts

In the field of battery storage, Spinifex Energy incorporates advanced carbon catalysts in their battery systems. These catalysts enhance the performance and durability of batteries by improving their cycle life by over 30%. The use of carbon catalysts enables the batteries to operate more efficiently, providing extended charge and discharge cycles without significant degradation. This enhanced longevity ensures that clients can rely on their battery storage systems for longer periods, reducing maintenance costs and increasing the overall value and return on investment.

## 24/7 Monitoring and Management

Spinifex Energy conducts annual site visits and remotely monitors system performance using Fronius data communication software

This remote monitoring prevents potential downtime and ensures prompt resolution of system failures, minimizing financial losses. The user-friendly platform provides detailed information on inverter voltage, current, MPPT voltage and current, battery charge and discharge, solar production, and energy consumption, accessible via web or smartphone, enabling users worldwide to monitor on-site energy consumption, solar production, and net balance. In case of communication breakdown, an automated email alerts the team for immediate response.



# INNOVATIVE FINANCING SOLUTIONS

At Spinifex Energy, we have a versatile approach to procurement, providing flexible finance options to meet diverse requirements. When considering solar energy investments, you have four primary finance options: Capital Purchase, Power Purchase Agreement (PPA), and Lease/Chattel Mortgage. Each option offers unique advantages in terms of upfront costs, maintenance choices, and return on investment.



## Capital Purchase

Whether a business has readily available cash to fund the purchase is usually a deciding factor, but paying cash is often considered the best option for purchasing a solar system. However, given the standard life of a solar system is 25 years this presents a lengthy term to depreciate your assets.



## Business Loan

Business loans are widely recognised as a method of securing finance for a solar system. When the solar system is secured against itself it is known as a chattel mortgage. Loans and chattel mortgages are primarily sourced by not-for-profit and community organisations who cannot benefit from tax breaks.



## Operating Lease

An operating lease allows a business to benefit from an asset through a contract without exchanging ownership. Additionally, the liabilities associated with a leased asset (rental payments) usually don't sit on the balance sheet. The term of a lease can be flexible and can usually include buyout options or lease renegotiation at the conclusion of the term. This financing method is the most widely adopted in solar systems.



## Power Purchase Agreement

A PPA generally involves a business benefiting from lower energy rates produced from solar without purchasing the system. The owner of the system (usually the solar contractor) retains ownership, maintains and monitors it while supplying the tenant with renewable energy at a reduced rate to the grid. PPA's are attractive to organisations who don't have access to cash for a purchase and don't want to pay interest.

**SE**  
SPINIFEX ENERGY  
AUSTRALIAN ENERGY SOLUTIONS

### Complete Guide to Energy Grants & Rebates for Australian Businesses

Take advantage of government funding, subsidies, tax breaks, and other programs to help your business fund and profit from investments in renewable energy and energy efficiency initiatives.

**DOWNLOAD** at <http://bitly.ws/Gn47>

**2023**  
**Australian Federal & State Energy Rebates & Grants**  
A complete guide to energy rebates and grants for Australian businesses

**Federal & State Grants**  
Explore the Federal and State grants business to assist in funding energy reduction initiatives

**Federal Energy Grants**  
Energy Efficiency Grants

**Industrial Energy**



# OUR ROLE IN SHAPING A BETTER WORLD

---

Our unwavering commitment to sustainability drives our every action. We understand the finite nature of Earth's resources and the importance of adapting to our current limitations. By embracing sustainable practices and leveraging innovative technologies, we actively strive to minimise society's ecological footprint and pave the way for a more sustainable future.


Through the provision of renewable energy solutions like solar power and battery storage, we empower businesses and communities to transition to more affordable, efficient and clean energy sources that significantly reduce their carbon footprint.

In line with this commitment, we ensure the responsible recycling of our old panels by partnering with licenced recycling plants to responsibly manage the disposal of our old panels, which, if not handled properly, can release toxic chemicals into the environment. Up to 95% of a solar panel can be recycled, and valuable components such as glass, aluminium frames, polymers, silicon, copper, and silver paste can be re-purposed, resulting in reduced CO2 emissions and the promotion of a circular economy.



**SPINIFEX ENERGY**

AUSTRALIAN ENERGY SOLUTIONS

 1300 859 765

 [info@spinifexenergy.com.au](mailto:info@spinifexenergy.com.au)



[spinifexenergy.com.au](http://spinifexenergy.com.au)