

# PowerPlus Energy Capability Statement



PowerPlus Energy Pty Ltd  
[powerplus-energy.com.au](http://powerplus-energy.com.au)

PowerPlus  
Energy

Power ™

# Australian Made Energy Storage Built to Simplify the Job

As an Australian renewable energy storage company established in 2017, PowerPlus prides itself on promoting Australian manufacturing. Having now grown to a diverse company of about 80 staff, together, we design, engineer, and manufacture our energy storage solutions right here in Melbourne, ensuring the highest possible quality for our customers.

Our range of products are easy to use, scalable, and built to last, making them the ideal choice for your next renewable energy project.

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PowerPlus Energy acknowledges the Traditional Custodians of Country throughout Australia and their connections to land, sea and community. We pay our respect to their Elders past and present and extend that respect to all Aboriginal and Torres Strait Islander peoples today.



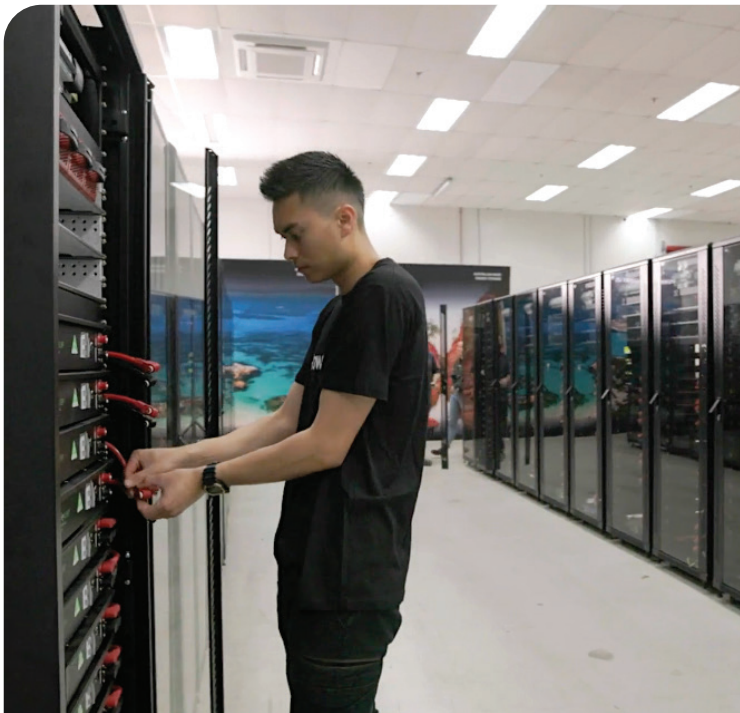


Provide reliable energy solutions  
for domestic, commercial,  
industrial, utility and telecom.

MISSION

Design and build easy to use,  
easy to install, reliable and  
robust energy storage.

VISION





## VALUES



### TEAMWORK

Teamwork is at the heart of what we do. We take great pride in producing Australian-made products that are built to last and easy to use.



### HARDWORKING

We are hardworking and passionate about renewable energy. We take pride in our work and are committed to excellence in everything we do.



### HONESTY

Honesty and ethical behavior are essential to the way we conduct business. Our customers know that they can count on us to do the right thing.



### CUSTOMER EXPERIENCE

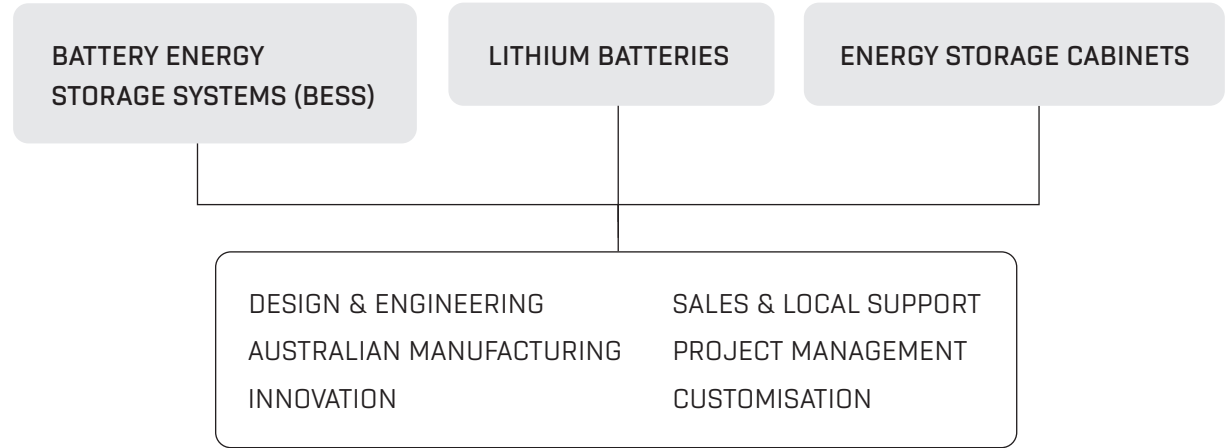
Our top priority is treating customers with respect, integrity, and professionalism to provide the best experience possible. We take the time to understand customer needs to provide unique solutions.





CAPABILITIES

From the beginning of a project/sale up until final commissioning, PowerPlus Energy has skill sets across the board to ensure customers have a positive user experience.



# Battery Energy Storage Systems (BESS)

This 'all-in-one' option focuses on ease of use, installation and maintenance. These Australian, fully integrated, on and off-grid power systems take modularity to the next level. They're perfect for small, medium and large-scale projects in domestic, commercial, utility and government sectors.



BESS	SCALABILITY
Escape10	7.5kW
Escape20	28.8kW – 115kW (Options from 10kW – 1.8MW)
Escape30	29.7kW – 118kW (Options up to 1MW)



FIND THE RIGHT BESS THAT SUITS  
YOUR ENERGY NEEDS TODAY.  
[powerplus-energy.com.au/bess](http://powerplus-energy.com.au/bess)



Three-Tier Remote  
Monitoring Access



Low Mean  
Time to Repair



Single, Two and Three  
Phase Applications

## SEAMLESS WITH MANY APPLICATIONS

Suitable for on and off-grid applications including peak demand, arbitrage, diesel offset and micro-grids.

## CABINETS FOR ALL KINDS OF WEATHER

A range of enclosures and cabinets to suit the application and location, including indoor, indoor IP-rated, outdoor with external sun shields and air-conditioned. There is a solution for almost any environment.





# Australian Lithium Batteries

Our Australian batteries are constructed with quality (cobalt-free) lithium ferro-phosphate cylindrical cells, and equipped with an in-built BMS. They seamlessly integrate universally to provide reliable, long-term outcomes, while scaling easily to suit your changing needs.



DISCOVER MORE ABOUT OUR  
NEWEST LITHIUM BATTERY!  
[powerplus-energy.com.au/batteries](https://powerplus-energy.com.au/batteries)



Extensive Inverter  
Compatibility



Infinite  
Scalability



Direct Lead Acid  
Replacement

## QUALITY CONTROLLED ENVIRONMENT

We quality control at every step and comprehensively field test to ensure our batteries meet relevant industry standards, making them a quality energy storage choice.

## NO MATTER THE JOB, WE HAVE YOU COVERED

As self managed batteries, they can easily be integrated into most applications.

## 48V BATTERIES

LiFe4822P 2.2kWh

LiFe4833P 3.3kWh

LiFe4838P 3.8kWh

Eco4840P 4.0kWh

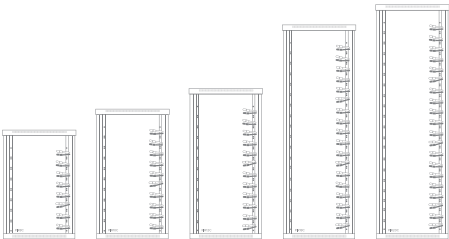
## 24V BATTERIES

LiFe2433P 3.3kWh



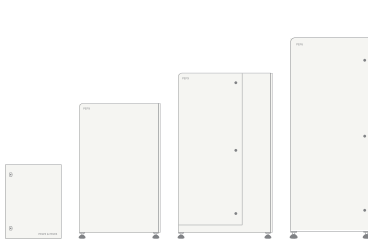
# Cabinets

Prefer to design and build your own systems? Our pre-wired cabinets minimise the time required to install batteries and inverter equipment on-site. Ranging from small battery enclosures to cabinets, including gear trays that you can prebuild and test in the workshop to simplify your on-site installation.



RACK CABINETS

26.4kWh – 80kWh



SLIMLINE CABINETS

9.9kWh – 48kWh



OUTDOOR CABINETS

80kWh – 160kWh





In a time where there's significant change around energy, PowerPlus plays an integral role in offering a simple, reliable solution.

Bradley Paton  
Chief Executive Officer (CEO)

Bradley has over 30 years experience designing power solutions for the Telecom, Rail and Energy industries. He brings expertise in understanding the markets needs for storage solutions. Since the start of PowerPlus Energy in 2017, he has worked to build a company that is well known for simple, easy to use and reliable energy storage.



# DESIGN & ENGINEERING



An Australian Team,  
Dedicated to Delivering  
Thoughtful Innovations  
for Your Energy Needs

In-house design and engineering is an integral part of PowerPlus Energy. Core design values guide our products to ensure they are easy to use, reliable and have a long service life.

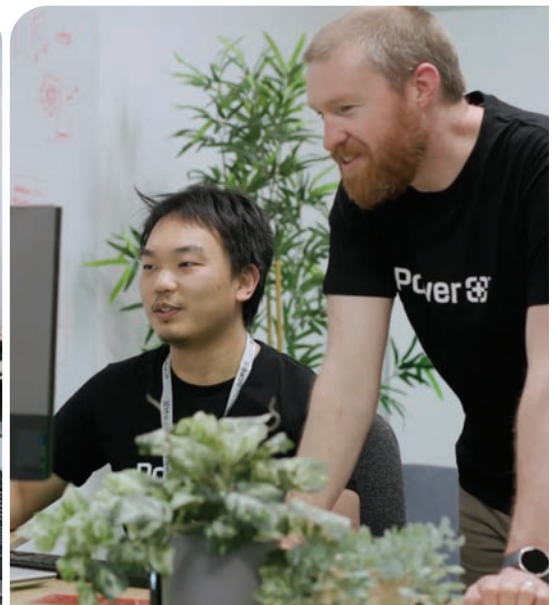
As a team we are committed to R&D and long term testing whilst responding to innovations and changes in our customers needs and environments. From concept design, prototyping, engineering and extensive in-house and field testing on all batteries, we assure the highest quality possible including passing relevant IEC standards.

Access to advanced equipment such as battery cell testers/simulators, an environmental chamber, electronic loads and 3D printing technology extends our engineering abilities to test right down to a cell level and develop quality, thoroughly tested solutions.





Left: Final quality assurance stage of the battery building process before securing lids.  
Right: Engineers reviewing plans and designs.



### Easy to Use

By prioritising simple design functions and user experience we provide options that are easy to understand and integrate into energy projects.

### Long Service Life

Our R&D focuses on delivering products that ensure longevity from system commissioning, to end-of-life, making power accessible to all.

### Reliable

Our products blend trusted design, quality components, and support ethical business practices, to provide a lasting solution that delivers consistent performance.

### End-to-End Design Process

Our design process is all-encompassing. This end-to-end approach guarantees every product bearing the PowerPlus name is of the highest quality.

### Research and Development (R&D)

Dedicated to continuous improvement we invest in exploring new technologies, methodologies, and materials to stay at the forefront of the energy industry.

### Adaptability to Customer Needs

We remain agile by actively responding to innovations and changes in customer and environmental conditions. This adaptability ensures our products evolve with the dynamic nature of the energy storage landscape.

It's more than just storing energy, it's about a sustainable tomorrow. That's the legacy we, as a team, strive for.



Ben Spincer  
Director

Ben has extensive experience supporting and developing businesses and applied research. For six years he was the Executive Director of Deakin Research Innovations, responsible for Deakin's commercial research partnerships, as well as the commercialisation and translation of the University's research and oversight of the ManuFutures advanced manufacturing scale-up facility. He was a member of the Victorian Government Innovation Taskforce in 2020 and represented Deakin on a number of research centre and institutes Boards.



# AUSTRALIAN MANUFACTURING



Manufacturing locally  
means local support  
when it matters

## Proudly Australian Made

When available, we source components from Australian and local suppliers, ranging from battery cases, cable, cardboard boxes, packaging and labels. Our in-house manufacturing teams are responsible for the entire process from sub-assemblies, batteries, cabinets, testing, lidding and packing.

## Quality Controlled At Every Step

All products go through numerous checks throughout the manufacturing process. All the way from crimping and soldering through to the final charge and discharge testing of each battery. This allows us to have confidence our products will perform to their best out in the field.

## Integrated Safe Workspaces

Safe practices in manufacturing are essential in all we do. With a growing team of dedicated staff, continued on the job training is core to providing a safe work environment.



Top: Components built by sub-assembly production members. Bottom: Cases are checked, cleaned and prepared before building commences.



What Manufacturing in Australia Means for **PowerPlus**

- Low Carbon Footprint
- Growing Australian Manufacturing Capabilities
- Ongoing Support and Relationships
- Control of Quality
- Australian Pride
- Ethical Manufacturing Practices
- Supporting Local Businesses

What Manufacturing in Australia Means for **You**

- Local Support That's Always Ready to Help
- Help Foster a Sense of Community
- Easier and Reliable Communication
- Attention to Detail and Quality
- Pride in Supporting Local
- Supporting Local Jobs and Economy
- Customisation for your Unique Needs



Resilience is important. We must embrace change and empower our teams to turn challenges into opportunities.

Shane Pollard  
General Manager

Shane brings over 20 years of senior management expertise from the automotive industry to PowerPlus Energy, embracing the opportunity to contribute to a local manufacturing and Australian company.

As the General Manager, Shane thrives on the diversity of his role. Whether collaborating with engineers and industry frontrunner's, or supporting our assembly team in crafting high-quality battery solutions for C&I, residential, and SME sectors. He is dedicated to driving excellence and innovation in every aspect of the company's operations.



# SALES & LOCAL SUPPORT

With 80+ years of industry experience, the PowerPlus Energy team, especially the sales team, is adept, passionate about renewables, and dedicated to finding the perfect solutions for you. We value both our employees and customers, fostering a friendly approach in delivering our products and services.

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Distribution  
Stores Located  
Australia-wide

All

Australian States  
and Territories have  
a Sales Presence.

8

Dedicated and  
experienced BDMs



Image: PowerPlus Sales Team at Head Office

## OFFICIAL POWERPLUS ENERGY DISTRIBUTION PARTNERS





## Case Studies that showcase the potential of Australian energy storage.



### ECO-TOURISM

#### PowerPlus' Largest BESS Powers 'Rumi on Louth', Australia's Latest Off-Grid Eco-Resort

With 16 BESS Escape20 Units, this remote island is completely powered by solar and energy storage. The Luxury Resort aims to provide patrons with a true escape into an 'eco-paradise' in a world where sustainability is highly respected.



1MW



460kW



### INTERNATIONAL · SOUTH SUDAN

#### St. Teresa Hospital Strengthens Power Security with Help from Mode Electrical

PowerPlus' energy storage donation, reinstated reliable hospital power. Facilitating expansion, acquisition of medical equipment, and improved patient care. This initiative shows the impact of collaborative projects, bringing hope and progress to a communities.



240kWh



### INTERNATIONAL · TIMOR LESTE

#### Energy for Empowerment: Sustainable Energy Solutions in Timor-Leste

Facing constant blackouts and voltage shortages due to inclement weather, a PowerPlus energy system went beyond electricity, providing clean water through a filtration system and enhancing overall well-being for the hostel's residents.



48kWh



14kW

## Case Studies continued.



### MINING

#### Worlds first fully autonomous road train with the support of 700 Australian lithium batteries

Providing lithium energy storage for several 5G base stations that were built with “5 days of autonomy” to back up the communications equipment used to allow these road trains to haul iron-ore autonomously (with no drivers) on a private road 150kms long. One of the first fully autonomous road trains.



2.8MW



10kW Per Back Up Unit



### MINING

#### Save Energy Transforms WA Salt Supply Mine with Lithium-Ion Battery Upgrade

The replacement of lead-acid to PowerPlus batteries in a specialised container boosted capacity to 300kWh+, Providing power for the entire WA Salt Supply mine. Harvesting salt for export and processing in Fremantle.



192kWh



60kW



### REMOTE OFF-GRID

#### Derby Native Wildlife's Evolution in Sustainable Solar Solutions

Challenges with daytime loads and overnight consumption were mitigated with an upgrade to PowerPlus and additional solar. Allowing the commitment to caring for diverse wildlife species in the Kimberley's harsh conditions to continue



60kWh



21.2kW



COMPANIES WE HAVE WORKED WITH



MEMBERSHIPS & AFFILIATIONS



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Established 2017

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Power ™