



# Mega Watt Power

## Solar and Electrical

## ABOUT US

Mega Watt Power is a family owned and operated Australian business providing renewable energy design, installation, construction and maintenance services.

Based in Coffs Harbour, NSW, we operate three business units:

- Solar power systems sales, installation and service
- Utility scale renewables electrical construction and service
- Electronics hardware repairs and services

We employ a full time local and remote FIFO staff of around 50, with additional project staff as required. We operate at every system size or project scale from Kilowatts to hundreds of Megawatts and have a proven track record of 35+ years in the renewable energy business.

## CONTACT US:

 **15 Isles Drive Coffs Harbour NSW 2450**

 **02 6652 9700**

 **[www.megawattpower.com.au](http://www.megawattpower.com.au)**

 **[peter@megawattpower.com.au](mailto:peter@megawattpower.com.au) (Managing Director)**




# OUR VALUES

We believe in walking our talk. Integrity, trust, and loyalty aren't just words; they are the foundation of how we operate every day. We understand that real success isn't just about profit; it's about making a positive impact, staying true to our commitments, and being a reliable partner for our clients.

Our focus is on meaningful improvement, whether it's in our services, our team, or how we serve our clients. We don't chase trends; we invest in what matters, ensuring we stay relevant and effective. The fact that nearly all our business comes from returning clients and referrals speaks volumes about the relationships we've built and the results we deliver.

We're a team driven by more than just targets. Dedication, competence, and compassion are in our DNA, and we're motivated by the difference our work makes. We don't see learning as a task but as a journey that fuels our passion for excellence. Humility is our secret weapon—it keeps us grounded and open to growth.





## CORE CAPABILITIES

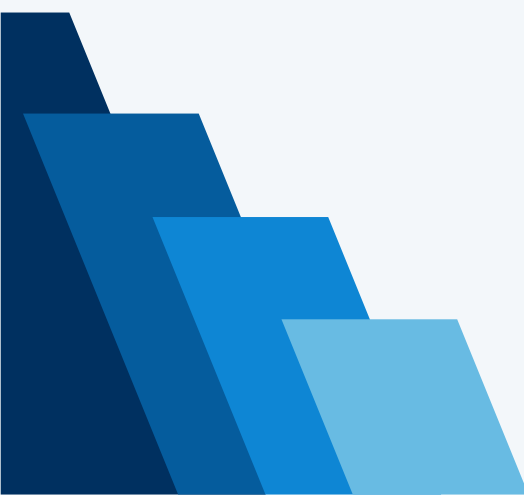
Mega Watt Power offers comprehensive electrical and electronics services in the renewable energy sector, including sales, design, construction, and maintenance. We are vertically integrated into every sector of the industry.

- Licensed electrical contractor in all Australian states
- FIFO electrical services for construction and maintenance
- Electronics technical services for hardware and software
- Rooftop solar sales, installation and service at any scale
- Solar farm Inverter commissioning and maintenance
- Grid connected residential and commercial batteries
- Embedded network sales, installation and software
- SAA (formerly CEC) solar accredited
- Off-grid solar power systems
- MV transformer testing
- IV Curve testing
- Weather station sales, design and construct



# SOLAR SYSTEM DESIGN & INSTALLATION

We design and install grid connected and off-grid solar power and energy storage systems tailored to the specific needs of our clients. From small residential to multi-Megawatt scale, we strive for high quality outcomes and deliver on our promises. Our offer includes:

- Direct person to person, team to team consultation
  - Engineered designs
  - 35 years of product knowledge
  - Pride of workmanship
  - After sales service and technical support
  - Clear and concise warranties that are honoured
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## **MAINTENANCE & SUPPORT SERVICES**

To ensure long-term performance and reliability, Mega Watt Power provides comprehensive maintenance services, including:

- FIFO electricians, technicians and engineers to any remote site in Australia
- Remote log in diagnostic services
- Preventative Maintenance contracts
- Operations and Maintenance contracts
- Highly specialised inverter capabilities and capacity
- Inverter manufacturer's authorised service partner
- System upgrades and retrofits
- Rectification of solar farm serial defects
- IV Curve testing and MV transformer testing
- System performance benchmarking and much more



## KEY SECTORS SERVED

- **Commercial and Industrial:** Rooftop solar, carpark solar, battery systems, energy monitoring, Embedded Networks, Power Factor Correction and more
- **Residential:** Solar and energy storage systems, both grid connected and off-grid, designed to reduce energy costs and increase sustainability
- **Utility Infrastructure:** Electrical construction, servicing, Operations and Maintenance. IV Curve testing, transformer testing, Solar Farm test and commissioning for EPCs, weather station supply and install, SCADA and much more
- **Government:** We are a solar system and services supplier to all tiers of government.



# WEATHER STATIONS

- NRG Systems weather station sales and service partner
- SCADA, software, remote diagnostics services
- Design, construction, repairs, spares and maintenance





## R2 TESTING

Mega Watt Power has wide ranging experience on large scale renewable energy power plants. We are available for complete provision of R2 testing.

- All negotiations and interface with AEMO & the Network Operator
- Remote engineers performing tests via SCADA
- On site technicians in the substation to ensure testing remains strictly on track
- All required engineering reports and test data





# OUR STRENGTHS

- o Expertise & Experience: Over 35 years of experience delivering high-quality energy solutions across various industries.
  - o Sustainability Focus: Committed to reducing environmental impact by implementing cutting-edge renewable energy technologies.
  - o Innovation & Technology: We utilise the latest technologies to provide future-proof energy systems.
  - o Customer-Centric Approach: We work closely with our clients to ensure solutions are tailored to their specific needs, delivering projects on time and within budget.
  - o Safety & Compliance: We adhere to all relevant safety standards and regulatory requirements, ensuring safe, compliant, and reliable energy solutions.
  - o Electrical, electronics and SAA (formerly CEC) certifications & accreditation in all mainland states
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# CONSTRUCTION PROJECTS

Below is a sample of construction projects we have directly performed:

- Stubbo SF (Commissioning of 76 Ingeteam power Stations)
- Wandoan SF (Electrical construction 167MW)
- Port Augusta Energy Park (test and commission 50MW)
- Sunrasia SF (Hold Point performance verification for EPC)
- Girgarre SF (DC commissioning)
- Avonlie SF (Integrate Power Electronics inverters 257MW)
- Kiamal Solar Farm (Integrate Ingeteam inverters 256MW)
- New England Solar Farm - Transformer SFRA testing
- Kingaroy SF (100% IV Curve testing - 30MW)
- Uterne SF (supply inverters and commissioning of Australia's first solar farm in 2010)
- Solar Farm integration of >4GW of inverters
- Dubbo substation (construction of 4MVar Statcom System)



# MAINTENANCE PROJECTS

- Ongoing Preventative Maintenance at Wandoan BESS (100MW/150MWh)
- University of Queensland Gatton Solar Farm maintenance
- Darlington Point Solar Farm MC4 connector serial defect rectification
- Childers SF (100% plastic ties replacement with S/S ties)
- Lilyvale SF - (Inverter and transformer replacements)
- Coloomboola SF - Substation protection settings & config.
- Gunnedah SF (RMU repair and Hipot test)
- Bluegrass SF (Inverter DC switch replacements)





# CLIENTS

**Ingeteam**

 **CanadianSolar**

  
**NSW**  
GOVERNMENT

**DOOSAN**

Doosan GridTech



THE UNIVERSITY  
OF QUEENSLAND  
AUSTRALIA



**Metlen**  
Energy & Metals



**CONSTRUCTION**

**Vestas**®

 **Bachrach**  
**Naumburger**  
GROUP

**Costa**  
well grown







**Mega Watt Power**  
Solar and Electrical

## INFORMATION

- 📍 15 Isles Drive Coffs Harbour NSW 2450
- ☎ 02 6652 9700
- 🌐 [www.megawattpower.com.au](http://www.megawattpower.com.au)
- ✉ [peter@megawattpower.com.au](mailto:peter@megawattpower.com.au) (Managing Director)