

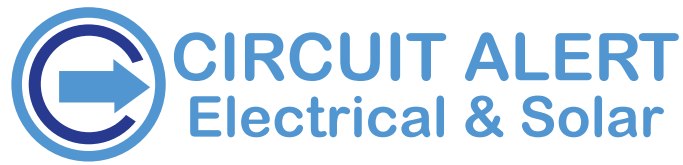
CIRCUIT ALERT

Electrical & Solar



Solar Solutions

www.circuitalert.com.au



We are solar and battery specialists, based on the Sunshine Coast and servicing south-east Queensland, and we have installed thousands of quality solar systems locally over the last 10 years.

Our staff and management have extensive industry experience with all system sizes ranging from 1kW to 100kW.

We also offer electrical services such as LED lighting, fan installations, additional power points, air conditioning, through to complete commercial electrical fit-outs.



Why choose Circuit Alert Electrical & Solar?

- Ⓢ Established 2009 with thousands of local installs.
- Ⓢ Our own teams of qualified electricians and solar installers.
- Ⓢ Quality products with great warranties backed by Rexel Australia.
- Ⓢ Locally owned and operated family business.
- Ⓢ CEC accredited installers.
- Ⓢ Licensed electrical contractors 72568.

A Family Business

Big enough to handle any sized project, but small enough to care!

Circuit Alert Electrical & Solar is a family owned and operated business - the partners are Richard Holloway and Martin Rudd.

Richard is 2nd generation Electrician and has been in the trade for over 30 years, with a focus on solar for the last decade.

Martin, a 5th generation Builder, has been in the industry for over 30 years and has worked as a highly successful solar sales Project Manager for over 10 years.



This combined knowledge and expertise ensures that all our projects, large and small, run smoothly and receive the highest level of attention to detail - including after sales service and support, that is second to none.



How solar works

The sun generates light photons

The light photons are absorbed by the solar panels

Excess electricity generated by your solar panels feeds into the power grid and you are credited!

AC power from the inverter goes to the electrical box where it's available for home use.

An inverter converts DC power into AC power

Solar cells convert the photons into DC power

Our Supply Partners

Trusting Circuit Alert Electrical & Solar to install your solar system comes with a huge bonus and the added value of our special supply agreements with our partners at Rexel Australia. We purchase all of the components for your system from Rexel, which includes everything from panels and inverters, to racking and cables.

Our bulk buying power means we can offer very competitive pricing with all product warranties backed by Rexel Australia Group.

This backing is important because the solar industry is very volatile, with many manufacturers falling into financial difficulty and unwilling to honour warranties. This leaves clients and installation companies with little hope of making a successful warranty claim. Rexel's backing means your warranty will be covered by the strength and diversity of Rexel - a \$26 billion a year company.

The Rexel Network

Rexel has been in the Australian electrical industry for over 100 years, originally known as General Electric Company. The combination of Rexel Australia's long history and experience as part of an electrical engineering company and now as a member of a worldwide electrical distribution specialist network, uniquely positions them to provide its customers like Circuit Alert with the latest in a diverse range of products, global purchasing power, stronger strategic supply alliances with international manufacturers, and benefits from distribution efficiencies.

With a national network of local branches including Rexel, John R. Turk, Ideal Electrical and Lear & Smith, the Rexel group has grown to 146 branches nationwide, providing us with ultra-convenient locations from which to source our products. Their experienced staff ensure that we receive the right solutions, products and local service Circuit Alert needs to excel.

Rexel prides itself on providing high quality service and an extensive range of reliable products that meet the highest safety standards. By embracing new technologies, encouraging innovation, searching for new opportunities and pursuing service-rich solutions, Rexel will be there to help Circuit Alert grow well into the future, as well as providing our customers with the best solar solutions for their homes and businesses.



Panel Racking

An important part of any installation is how your panels are connected to the roof.

We choose to use Australian-made racking with industry leading 20-year warranty supplied by Mortec Industries Pty Ltd. They are the largest 100% Australian owned solar racking provider and have their head office in Melbourne.



Mono

340W PERC Half-Cell Module

JAM60S10 320-340/PR Series

Introduction

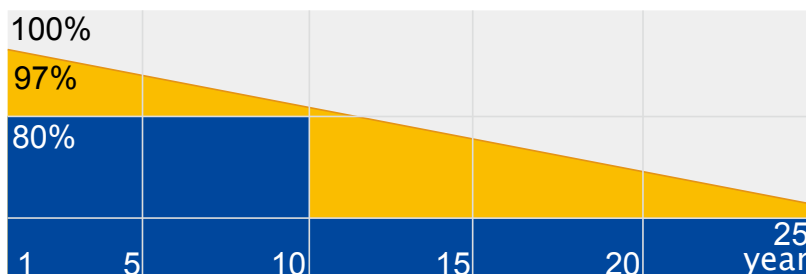
Assembled with high-efficiency PERC cells, the half-cell configuration of the modules offers the advantages of higher power output, better temperature-dependent performance, reduced shading effect on the energy generation, lower risk of hot spot, as well as enhanced tolerance for mechanical loading.

**Higher output power****Lower temperature coefficient****Less shading effect****Better mechanical loading tolerance**

JA Solar is a manufacturer of high-performance photovoltaic products. With 11 manufacturing bases and more than 20 branches around the world. The company's business covers silicon wafers, cells, modules and photovoltaic power stations. JA Solar products are available in over 100 countries and regions and are used extensively in ground-mounted power plants, commercial & industrial rooftop PV systems and residential rooftop PV systems. With its advantages of continuous technological innovation, sound financial performance, and well-established global sales and service networks, JA Solar has been well received and highly recognised by clients from home and abroad. The company has been listed on Fortune China 500 and Global Top 500 New Energy Enterprises for several consecutive years.

Superior Warranty

- 12-year product warranty
- 25-year linear power output warranty



■ JA Linear
Power
Warranty

■ Industry
Warranty



Inverters

SolaX inverters have developed a great reputation in Australia as a robust and reliable unit, offering great value for money.

Because of our bulk-buying power, we have negotiated a great deal for our valued clients so they receive a 10-year warranty (5 + 5) on all SolaX inverter models.

The inverter comes as a sealed unit with convection cooling, wifi monitoring and local support in Australia.



Single phase, dual MPPT inverters

X1 BOOST

**X1-3.0-T / X1-3.3-T / X1-3.6-T
X1-4.2-T / X1-5.0-T**

SolaX have developed a range of single phase inverters unrivalled in the industry for their quality, reliability and efficiency. The SolaX single phase inverters boast a wide MPPT voltage range to allow for more energy harvesting and have a maximum input voltage of 580V, with a maximum efficiency of 97.6%. In addition, SolaX single phase inverters are IP65 rated, have no internal fan and come with optional 'plug & play' WIFI. The dual MPPT 'Boost' range is also compatible with the new SolaX 'Smart Plug' which allows for device remote control.

Simple.Reliable.Efficient

330W Q.PEAK DUO-G5 ENDURING HIGH PERFORMANCE

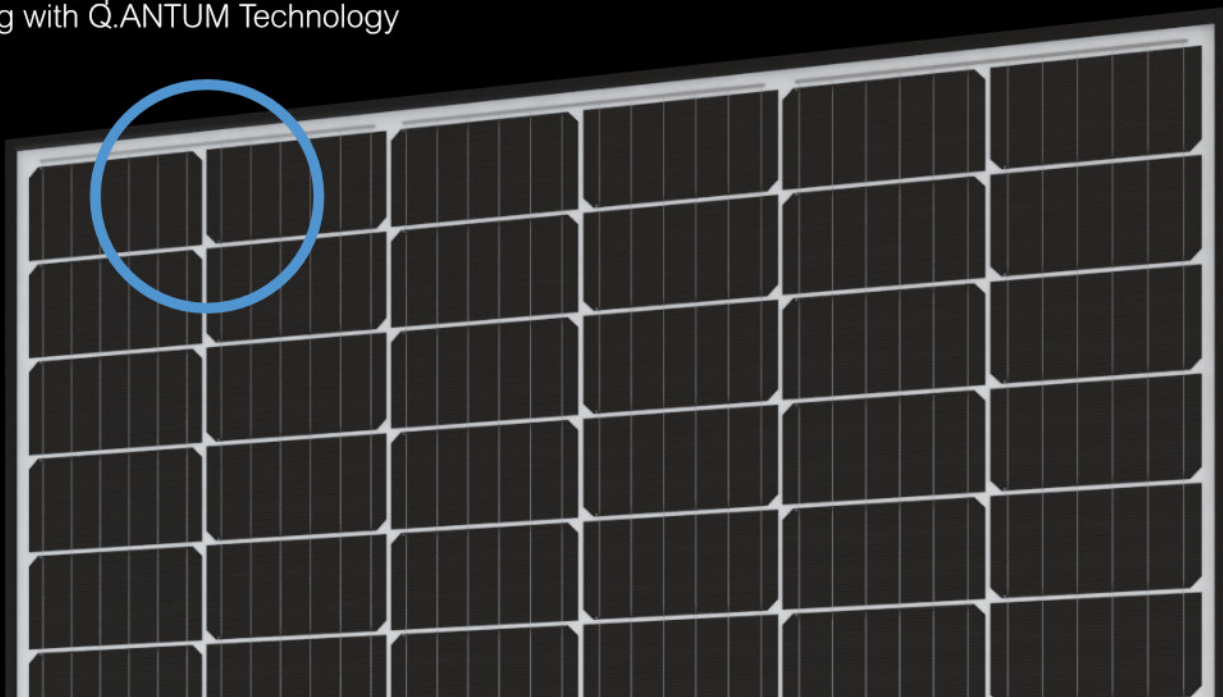
THE NEW Q.PEAK DUO-G5 SOLAR MODULE FROM Q CELLS IMPRESSES THANKS TO INNOVATIVE Q.ANTUM DUO TECHNOLOGY, WHICH ENSURES PARTICULARLY HIGH PERFORMANCE ON A SMALL SURFACE.

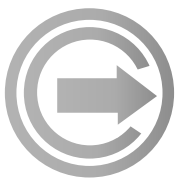
The new Q.PEAK DUO-G5 is a mono-crystalline solar module with power classes up to 330Wp and an efficiency of up to 19.9%. Q.PEAK DUO-G5 solar modules offer higher yields over smaller surface areas. This is made possible by the new generation of Q.ANTUM's world-record holding cell concept which has now been combined with state-of-the-art circuitry, half-cells and a six-busbar design.

The black half-cells of the Q.PEAK DUO-G5 enhance the visual appearance of even the most exclusive residential system. The Q CELLS Anti LID Technology eliminates light induced degradation (LID), which can greatly reduce system performance, almost completely. Other conventional mono-crystalline solar cells will lose much of their initial performance, once exposed to sunlight. With Q.PEAK DUO-G5 this is not the case, thanks to Anti LID Technology.



Q.ANTUM DUO combines cutting edge cell separation and innovative wiring with Q.ANTUM Technology





SUNNY BOY 3.0 / 3.6 / 4.0 / 5.0 / 6.0

More than an inverter.

Smaller, simpler and more convenient
with SMA Smart Connected.

New: With its integrated RS485 interface, the TS4-R module optimisers can be easily added into the system, with all communication and monitoring facilitated through the inverter.



Intelligent Solar Power Generation

The Sunny Boy has it all, with established product features such as OptiTrac Global Peak and SMA Smart Connected that are now supplemented with integrated TS4-R communication for module optimisation. Thanks to this, even shade on the module is no problem. The OptiTrac Global Peak integrated shade management system ensures maximum yields in light shade. For large amounts of shade or complex roof structures, TS4-R module optimisers can be installed easily and selectively for maximum yields.

The free SMA Smart Connected service analyses inverter operation, immediately informs the installer of irregularities and offers recommended solutions to ensure maximum system availability. Operators and installers can keep an eye on the system at all times via the SMA monitoring portals. Thanks to the TS4-R module optimiser, it is even possible to monitor every single module upon request.

- Integrated SMA Smart Connected service
- Integrated shade management with OptiTrac Global Peak and TS4-R communication
- Free online monitoring via Sunny Portal and Sunny Places
- Dynamic active power limitation

SMA POWER^{UP}

Trusted Solar Energy Partner

Circuit Alert are your trusted
SMA PowerUP partner
on the Sunshine Coast



Additional 5 year warranty when you purchase through us.



We will be alerted to any irregularities with your SMA inverter before you even notice.



We're fully trained in the SMA system ensuring your system is cost effective and tailored to your individual needs

... and other benefits!

TS4-R Module-Technology

Optimisation redefined.

With this innovative module technology from SMA, for the first time a system's individual PV modules can be strategically optimised, easily and cost-effectively.

Smart Systems

Tigo's SMART website is a module-level online monitoring system that manages utility, commercial, and residential PV systems. This software provides system owners with unprecedented visibility into module-level performance. System analytics track production, send alerts, and proactively suggest maintenance actions to keep systems operating at maximum efficiency. For increased safety, Tigo's SMART website can remotely power-off each module individually, eliminating high voltage for maintenance or safety purposes.



The Complete SolarEdge Residential Solution

Smart energy

Utilise excess solar energy to power heat pumps, to heat water, or to power lights and other typical home appliances

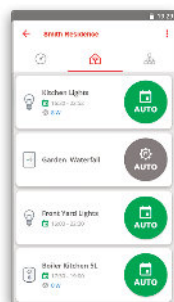
Automatic, on-the-go control of your devices via SolarEdge's monitoring platform



Smart energy
hot water

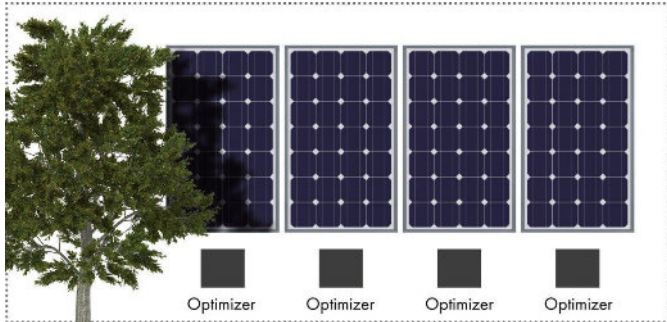


Smart energy
relay



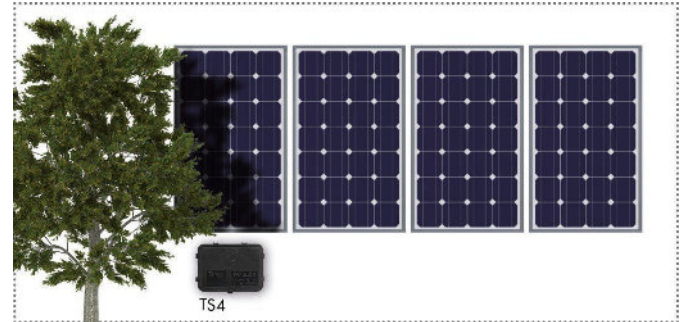


Existing DC optimiser systems



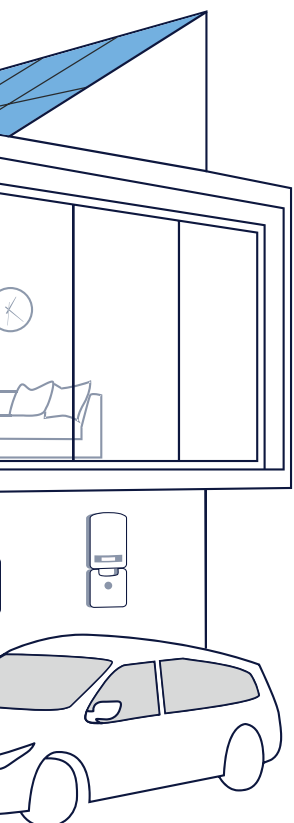
- **All** modules always have to be equipped with an **optimizer** whether necessary or not
- This quickly leads to **unnecessarily high costs**

SMA solution



- Only **affected modules** (e.g., in case of partial shading) have to be equipped with an optimizer
- **Lower investment costs**
- **Lower installation costs**

solar**edge**



Smart panels

Premium SolarEdge smart panels, each pre-assembled with a power optimizer for greater energy harvest
Elegant panel design with a black frame
Excellent reliability, with superior quality control guaranteed by SolarEdge

Power optimiser

Assembled on each SolarEdge smart panel on your roof, for increased panel output, enhanced system safety, and real-time panel information
Can also be installed on third-party panels, converting them into smart panels



Inverter


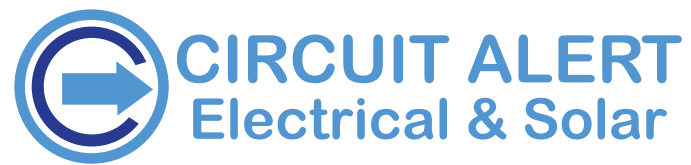
The brains of the PV system
Efficiently converts DC energy to AC electricity for use in your home and utility grid
Manages system production, battery power and smart energy



Single phase inverter with HD-Wave technology



Three phase inverter



CIRCUIT ALERT
Electrical & Solar

**Shop 2, 102 Howard Street
Nambour QLD 4560**

(07) 5477 0610

www.circuitalert.com.au

sales@circuitalert.com.au