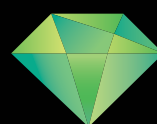


**SUMEC**

**Phono<sup>®</sup> Solar**  
AUSTRALIA



Reasons to  
**Go Solar with  
Sumec Phono  
Solar**



**DIAMOND  
MODULE  
TECHNOLOGY**

**15 YEAR  
PRODUCT  
WARRANTY  
+ 5 YEARS\***



Here at the Sumec Group (a major division of Fortune Global 500 Sinomach Corporation) we took the opportunity in 2018 to re-brand our renewable energy business, from Phono Solar to Sumec Phono Solar Australia.

We wanted to highlight Sumec as our parent company to illustrate a major difference between Sumec Phono Solar and our competitors which is 'Confidence of Longevity'.

**This is important because in 2011 there were more than 400 solar panel manufacturers approved for install in Australia. Today there are fewer than 100.**

Sumec Phono Solar knows that we have a duty to our customers for the entirety of our solar panel's 25 year warranty.

Our financial strength means that we know we will be around to honour our warranties. This is our commitment to Australians and the Australian solar market.

## 40+ YEARS OF EXPERIENCE

1978	2010	2018	2019	2020
Sumec starts business	Phono Solar first sell solar panels in Australia  Diamond Module Technology is pioneered	Phono Solar re-brands to Sumec Phono Solar	Introduction of market leading 15 Year Product Warranty	New manufacturing facility opens for production  15 + 5 Year Optional Residential Product Warranty Coverage*

“ We have invested in a brand new, state-of-the-art, manufacturing line and are proud to introduce our latest Diamond Module Technology and leading Warranty to the Australian market. ”

President Zhao, Sumec Phono Solar



# WHY CHOOSE SUMEC PHONO SOLAR?

When you make the decision to go solar, you're making an investment that will save you money on power bills and make a positive environmental impact for decades to come. This means that there are some important questions you should ask yourself when weighing up your choice of solar panels.



Are these panels manufactured with cutting-edge technology that will last for decades?



Are they backed by stringent research, quality control and 3rd party testing?



Are they paired with a comprehensive warranty that you can trust?



Are they built to thrive in harsh Australian conditions?

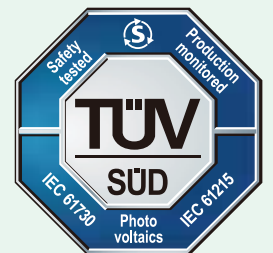


Will this manufacturer be around in Australia for the long term to honour their commitments and warranties?

To help answer your questions and show why we're different, we've outlined **20 reasons to choose Sumec Phono Solar Panels** so you can feel confident in your investment.

## 1. Market Leading Technology & Testing

Sumec Phono Solar developed **Diamond Module Technology** and continues to innovate through our state-of-the-art Research and Development Testing Laboratory. This is one of only a handful of labs worldwide that are certified under TÜV SÜD's External Laboratory Program, which is assessed to meet the relevant requirements for Witnessed Manufacturer's Testing.



## 2. Ultra Modern Manufacturing Facility

The testing laboratory at Sumec Phono Solar's **NEW 2020 Manufacturing Facility** in Nanjing, features advanced equipment including Automated Production Lines, Laminating Machines, Stringers, Solar Simulators, and real-time Interaction Systems for complete quality control.

SCAN CODE TO TAKE THE TOUR



20

# REASONS TO GO SOLAR WITH SUMEC PHONO SOLAR

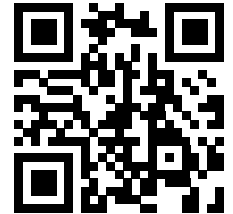
## 3. Rigorous Quality Control Testing

Up To **38 different environmental and quality control tests** are conducted each day including UV Pre-conditioning and Hot Spot Endurance testing.

## 4. Innovation for the Future

Diamond Module Technology is a multi-year R&D effort that has delivered multiple technologies focused on **absorbing more sunlight, reducing electrical losses** and **producing more power**. Learn more about our latest innovation by watching our video online.

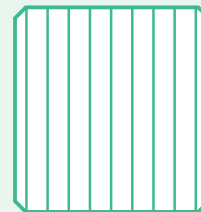
SCAN CODE TO  
WATCH VIDEO



## 5. Over 20% Module Efficiency

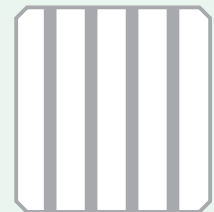
This generation of Sumec Phono Solar panels features the latest M6 cell technology combined with Round Ribbon Multi-Busbars to **deliver improved efficiency and higher power output**.

9 Wires



New Technology - Round Ribbon Multi-Busbars

4 Busbar



Existing Busbar Technology

## 6. International Certifications - IEC TS 62941

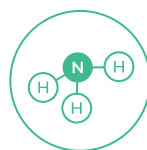
This certification standard (IEC TS 62941) lays out best practices for product design, manufacturing processes, and selection and control of materials used in the manufacture of PV modules. It is over and above standard testing procedures required and includes Potential Induced Degradation, Salt Mist Corrosion Testing, Ammonia Corrosion Testing and Cyclonic Wind testing giving you full confidence that our solar panels are **manufactured for harsh Australian conditions**.



Potential Induced Degradation



Salt Mist Corrosion Testing



Ammonia Corrosion Testing



Cyclonic Wind Testing



Mechanical Strength Testing



It's our engineer's choice to specify Sumec Phono Solar on all of our high profile commercial projects where performance and proven reliability are critical.



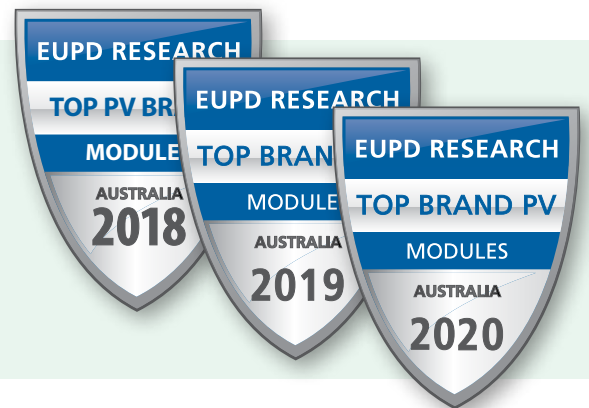
Cola Solar | 175kW extension, Moama Anglican Grammar, NSW

## 7. More Power, Means More Savings

Sumec Phono Solar uses the latest half cut cell technology, which **reduces electrical losses and heat production** in each cell. This in turn **increases performance in all weather conditions** while providing the long term reliability required to exceed production expectations and **deliver more savings** on electricity bills for decades to come.

## 8. Third Party Validation

**Awarded EUPD Top PV Brand in Australia** for the third year in a row meaning that Sumec Phono Solar is trusted by installers around Australia.



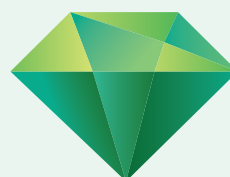
## 9. PV Module Reliability Scorecard



The annual PV Module Reliability Scorecard summarises the results of independent testing conducted as part of PVEL's Product Qualification Program (PQP) and identifies the solar panel models that achieved top performance. We are a **multi-year Top Performer in DNV GL's PV Module Reliability Scorecard**, meaning our panels have been found to offer outstanding reliability in independent testing.

## 10. Engineering Grade Warranty

Every Sumec Phono Solar customer enjoys an **Engineering Grade 15 years product warranty**. And for residential installations an **optional 5 years warranty coverage\*** is now available for the first time to deliver an incredible **15+5 year product warranty\***, which is **double** that offered by the most commonly sold panels in Australia.



**15 YEAR  
PRODUCT  
WARRANTY  
+ 5 YEARS\***

We are confident in this additional 5 years cover for Hot Spot and Seal Failure, due to the exceptional precision and quality control afforded by our new 2020 manufacturing facility.

# 20

# REASONS TO GO SOLAR WITH SUMEC PHONO SOLAR

## 11. Corporate Social Responsibility

As a **responsible global, corporate citizen**, Sumec is committed to making a positive difference through a wide range of **social initiatives** across the world. Learn more about these initiatives in our **latest report**.

SCAN CODE TO READ REPORT



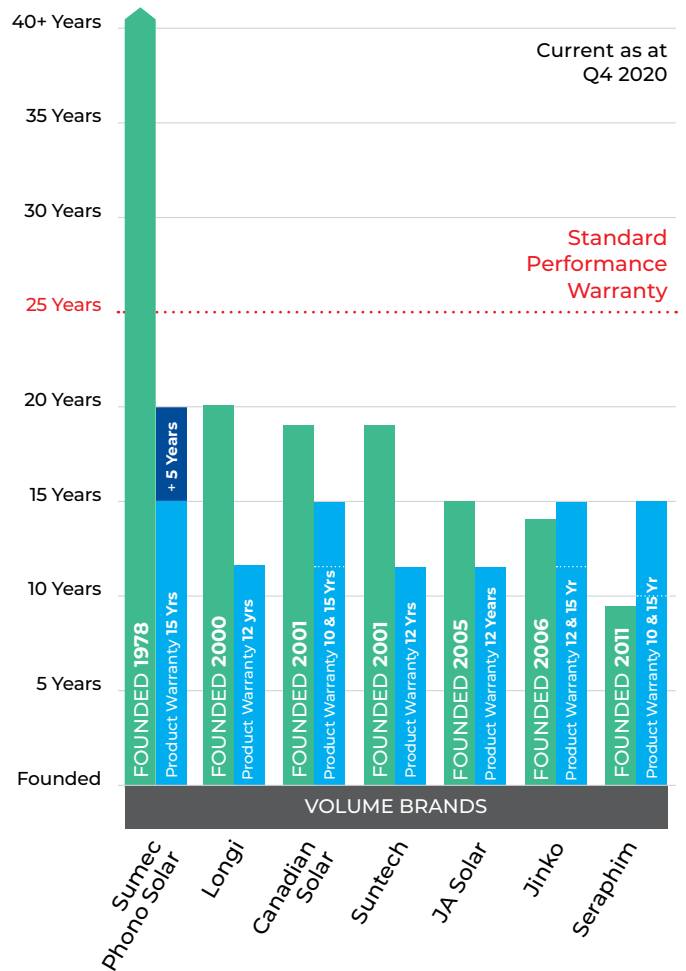
## 12. 40+ Years Experience

Because we were **founded over 40 years ago**, Sumec understands the power of longevity and we are serious in our warranty obligations by offering a **15+5 year product warranty\***.

## 13. Warranty Confidence

**Unlike Sumec Phono Solar**, many well known solar panel manufacturers have been in business far less than the length of the warranty they offer customers.

Time In Business vs Warranty Length



## 14. Diversified Manufacturer

Sumec Phono Solar's parent group, Sinomach, is an international **highly diversified business** that manufactures cargo ships, agricultural equipment, textiles, electrical equipment and more.

## 15. Strength in Business by Design

Business diversification improves **financial resilience** and means we can invest in our renewable energy company, Sumec Phono Solar, regardless of specific market conditions in one industry. We design our products with **long term performance** in mind to be **confident in honouring our warranties for decades** to come.





## 16. Designed to Compliment Home and Business

**Optimal design** for your residential and commercial solar system is critical. Our Installer Network across Australia are provided with **product training and design support**. Well trained designers and installers will ensure your solar system not only perform to your specifications but also look great.

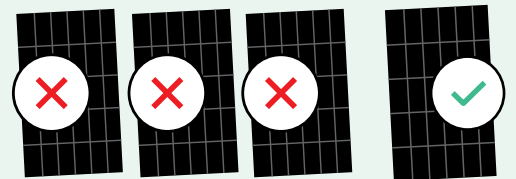
## 17. Australian Representation

Sumec Phono Solar's **Australian Head Office** is in Sydney and our products have been sold and supported in Australia for over a decade. Even before we started selling solar panels in Australia we were supplying power tools to customers via national hardware store chains.



## 18. Lasting the Distance

In 2011 there were more than 400 solar panel manufacturers approved for install in Australia, today there are **fewer than 100**.

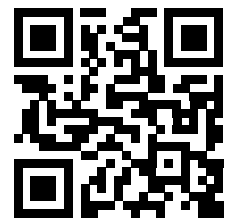


## 19. Blue Chip Solar Manufacturer



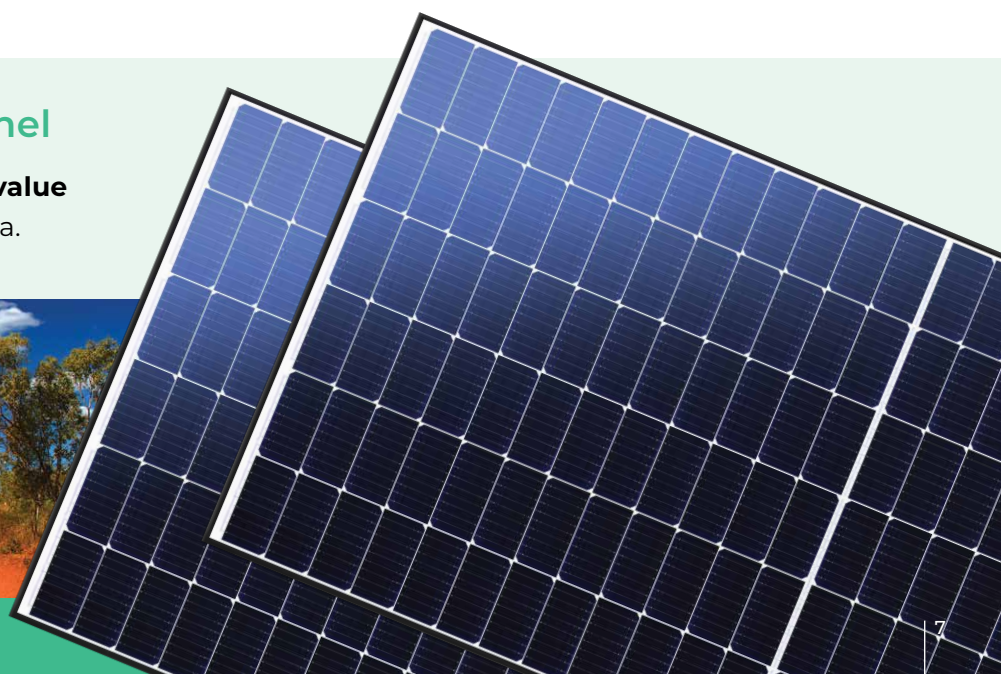
Sumec Phono Solar is proud to be a **Blue Chip Solar Panel Manufacturer**. Blue Chip manufacturers are **low risk companies** that have been in **business over 30 years**, have **\$30+ billion in annual turnover**, have a diversified product portfolio and are capable of **servicing their customers locally**.

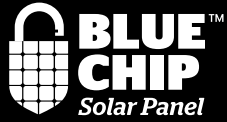
SCAN CODE TO WATCH VIDEO



## 20. Value Premium Panel

Sumec Phono solar offer the **best value premium** solar modules in Australia.





**DIAMOND  
MODULE  
TECHNOLOGY**

**15 YEAR  
PRODUCT  
WARRANTY  
+ 5 YEARS\***



**SUMEC**  
**Phono Solar**  
AUSTRALIA



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Nanjing, CHINA

[www.phonosolar.com](http://www.phonosolar.com)

\*Standard 15 Year Product Warranty and an optional 5 Year Limited Product Warranty Coverage and is available for residential customers, covering Hot Spots and Seal Failure. See the Phono Solar Limited Warranty declaration for full details.