

**SUMEC**

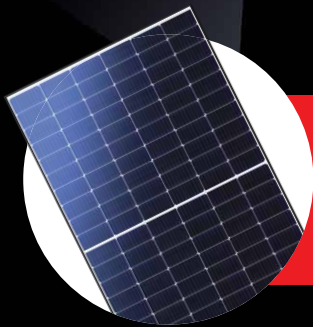
**Phono<sup>®</sup> Solar**

AUSTRALIA

PHOTOVOLTAIC MODULES



# The Engineers Choice

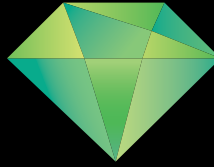


**370W TWIN PLUS  
MODULE SERIES**



**DIAMOND  
MODULE  
TECHNOLOGY**

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



# 40+ YEARS OF EXPERIENCE

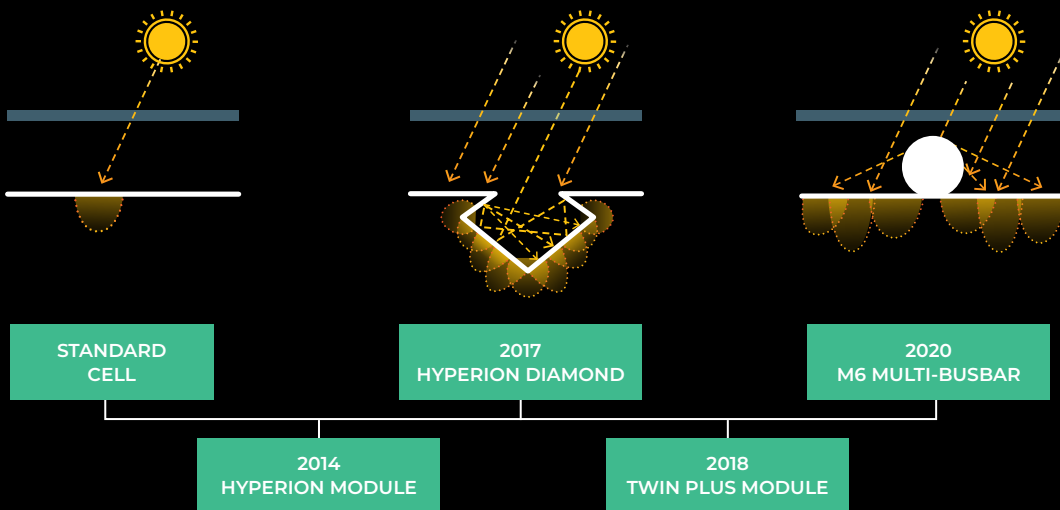
1978	2010	2018	2019	2020
Sumec starts business	Phono Solar first sell solar panels in Australia  Diamond Module Technology is pioneered	Phono re-brands to Sumec Phono Solar	Introduction of Market Leading 15 Year Product Warranty	New manufacturing facility opens for production  15 + 5 Year Optional Residential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

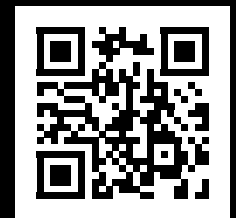
President Zhao, Sumec Phono Solar



## ADVANCED DIAMOND MODULE TECHNOLOGY



SCAN CODE TO WATCH VIDEO



Learn about the evolution of Diamond Module Technology



BLOOMBERG  
**TIER 1 BRAND**



OWNED BY  
**FORTUNE 500  
 GLOBAL COMPANY**



**2019 TOP  
 PERFORMING  
 PANEL**



**25 YEAR  
 PERFORMANCE  
 WARRANTY**

**SUMEC**

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

**370W**



**BLUE  
CHIP**  
Solar Panel



**DIAMOND MODULE TECHNOLOGY**

# TWIN PLUS SERIES

Standard 15 Year  
Product Warranty

Available with  
Optional 5 Year  
Residential Seal and  
Hot Spot Extended  
Warranty Coverage\*

Outstanding Module  
Efficiency

Salt Mist Certified  
(Level 6)

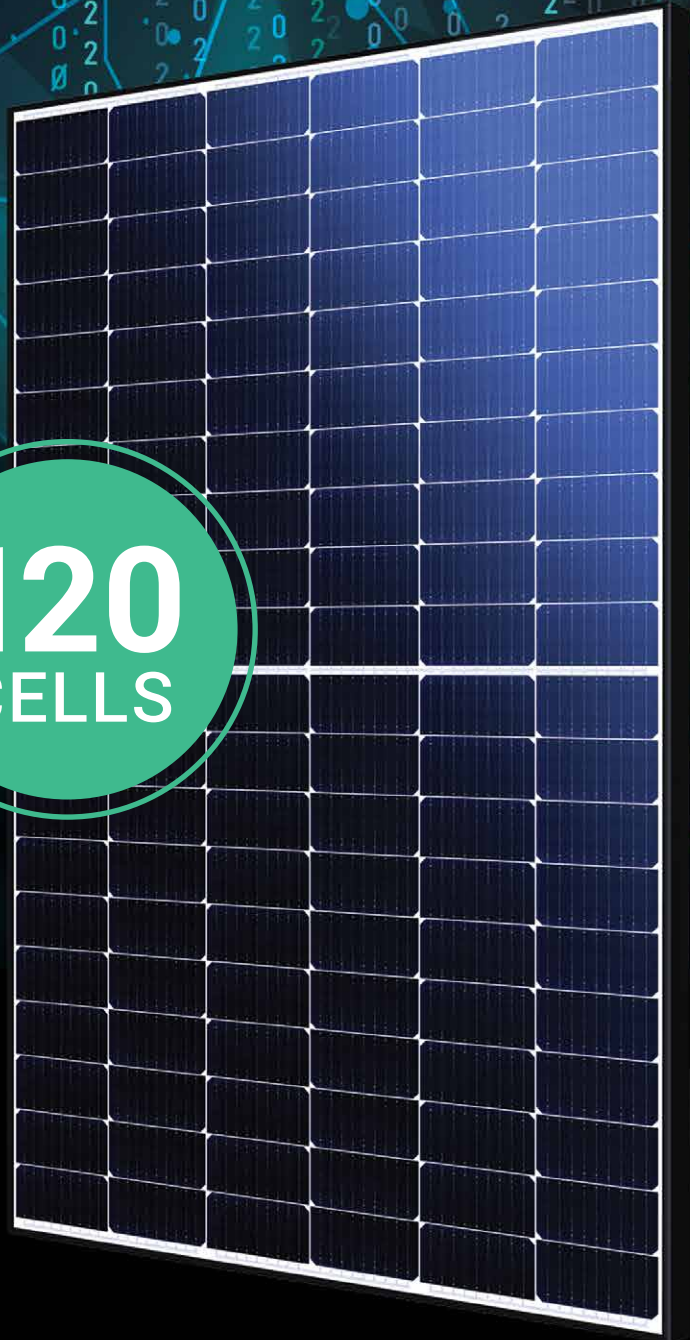
Built Tough - Cyclone  
Tested for the NT

**120  
CELLS**



**DIAMOND  
MODULE**  
TECHNOLOGY

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



**AUSTRALIAN  
OFFICE AND  
REPRESENTATION**

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# TWIN PLUS SERIES

## ELECTRICAL TYPICAL VALUES

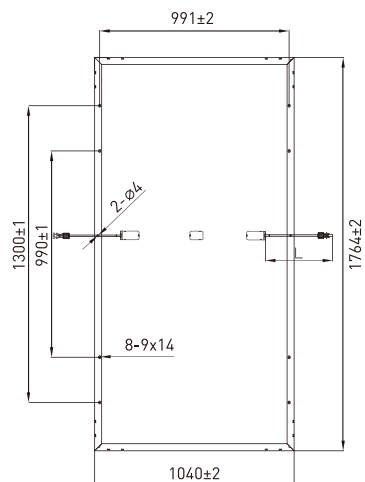
Model	PS370M4-20/UH PS370M4H-20/UH
Cell Type	120 x Monocrystalline 166mm x 83mm
Rated Power (Pmpp) <sup>2</sup>	<b>370W</b>
Tolerance	0~+5
Rated Current (Impp)	10.82
Rated Voltage (Vmpp)	34.2
Short Circuit Current (Isc)	11.31
Open Circuit Voltage (Voc)	40.97
Module Efficiency (%)	20.17
NOCT (Nominal Operation Cell Temperature)	43°C ± 2°C
Voltage Temperature Coefficient	-0.30%/°C
Current Temperature Coefficient	+0.050%/°C
Power Temperature Coefficient	-0.38%/°C

## MECHANICAL CHARACTERISTICS

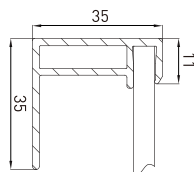
Dimensions	Length: 1764mm, Width: 1040mm Height: 35mm
Weight	20kg
Front Glass	3.2mm toughened glass
Frame	Black anodised aluminium alloy
Cable	4mm <sup>2</sup> (IEC), 1150mm
Junction Box	IP 68 rated
Connectors	Genuine MC4 (1000V) / MC4-EVO 2 (1500V)

## PACKING CONFIGURATION

Container	Pallet	20'GP	40'GP
Pieces per container	31	306	806



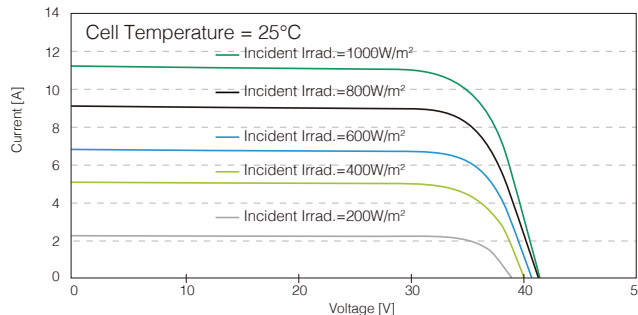
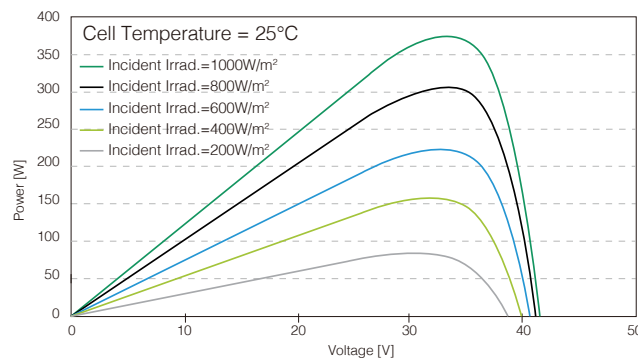
- In compliance with our warranty terms and conditions.
- Measurement conditions under irradiance level of Standard Test Conditions (STC): Irradiance 1000W/m<sup>2</sup>, AM 1.5, Cell Temperature 25°C.



## ABSOLUTE MAXIMUM RATING

Operating Temperature	From -40 to +85°C
Hail Diameter@ 80km/h	Up to 25mm
Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Maximum Series Fuse Rating	20A
PV Module Classification	II
Module Fire Performance (UL 1703)	Type 4
Maximum System Voltage	DC 1000V/1500V

## ELECTRICAL CHARACTERISTICS



- 15 Year Product Warranty and an optional 5 Year Limited Product Warranty extension is available for residential customers that covers Hot Spots and Seal Failure. See the Phono Solar Limited Warranty declaration for full details.
- 25-year linear performance warranty to 84.8%

- In compliance with our warranty terms and conditions.  
**NOTE:** This datasheet is not legally binding. Phono Solar reserves the right to make specifications changes without notice. Further information can be found on our website: [www.phonosolar.com](http://www.phonosolar.com)