

**SUMEC**

**Phono<sup>®</sup> Solar**

AUSTRALIA

PHOTOVOLTAIC MODULES



# The Engineers Choice

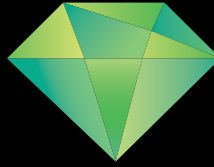


**370W TWIN PLUS  
MODULE SERIES**



**DIAMOND  
MODULE  
TECHNOLOGY**

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



# 40+ YEARS OF EXPERIENCE

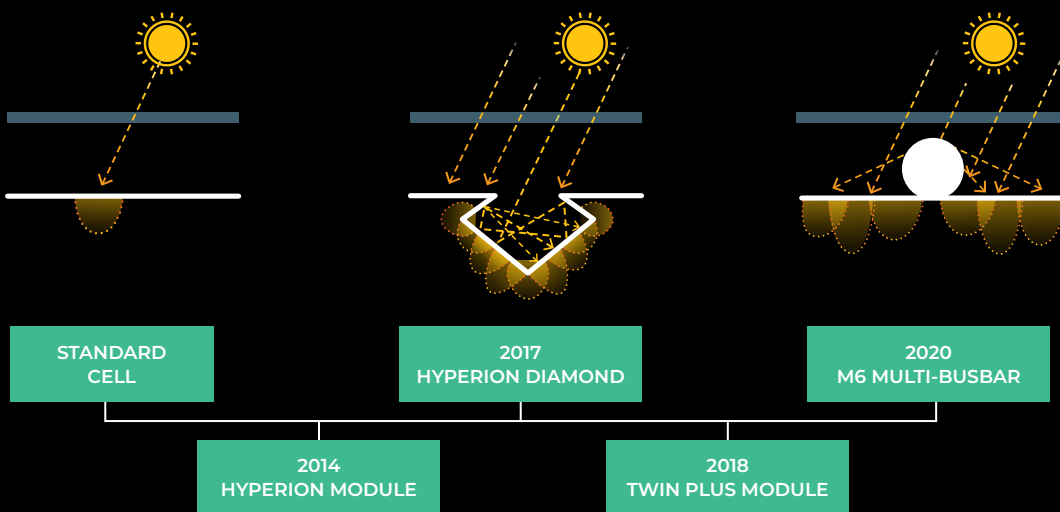
1978	2010	2018	2019	2020
Sumec starts business	Phono Solar first sell solar panels in Australia  Diamond Module Technology is pioneered	Phono re-brands to Sumec Phono Solar	Introduction of Market Leading 15 Year Product Warranty	New manufacturing facility opens for production  15 + 5 Year Optional Residential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

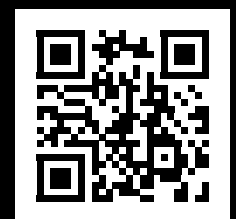
President Zhao, Sumec Phono Solar



## 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)

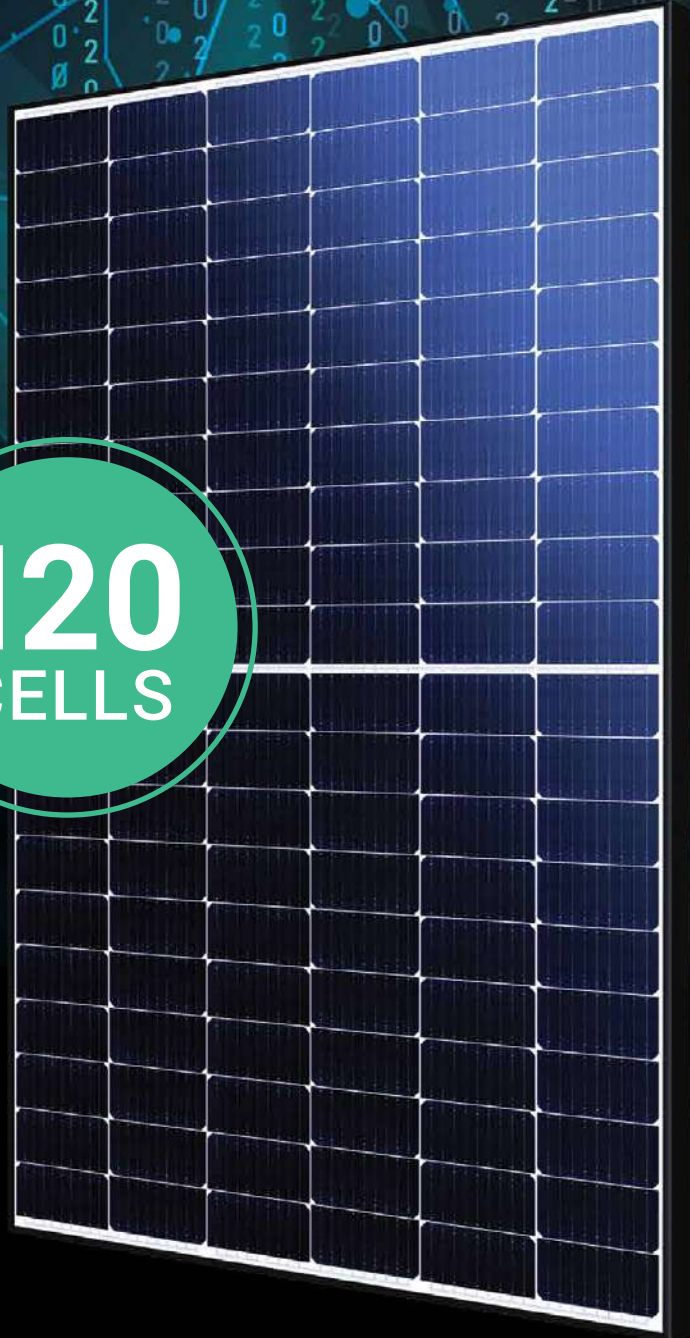
Built Tough - Cyclone  
Tested for the NT

**120  
CELLS**



**DIAMOND  
MODULE**  
TECHNOLOGY

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



**AUSTRALIAN  
OFFICE AND  
REPRESENTATION**

**SUMEC PHONO SOLAR AUSTRALIA**  
Level 35, Tower One, 100 Barangaroo Ave, Sydney, AUSTRALIA  
TEL: 02 8114 4516 [www.phonosolar.com.au](http://www.phonosolar.com.au)

**PHONO SOLAR INTERNATIONAL (SUMEC)**  
No. 1 Xinghuo Rd., Nanjing Hi-tech Zone, Nanjing, CHINA  
[www.phonosolar.com](http://www.phonosolar.com)

# TWIN PLUS SERIES

## ELECTRICAL TYPICAL VALUES

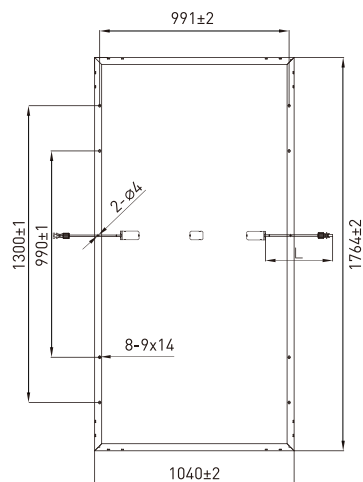
Model	PS370M4-20/UH PS370M4H-20/UH
Cell Type	120 x Monocrystalline 166mm x 83mm
Rated Power (Pmpp) <sup>2</sup>	<b>370W</b>
Tolerance	0~+5
Rated Current (Impp)	10.82
Rated Voltage (Vmpp)	34.2
Short Circuit Current (Isc)	11.31
Open Circuit Voltage (Voc)	40.97
Module Efficiency (%)	20.17
NOCT (Nominal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

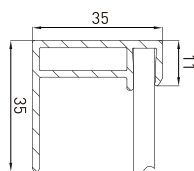
Dimensions	Length: 1764mm, Width: 1040mm Height: 35mm
Weight	20kg
Front Glass	3.2mm toughened glass
Frame	Black anodised aluminium alloy
Cable	4mm <sup>2</sup> (IEC), 1150mm
Junction Box	IP 68 rated
Connectors	Genuine MC4 (1000V) / MC4-EVO 2 (1500V)

## PACKING CONFIGURATION

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



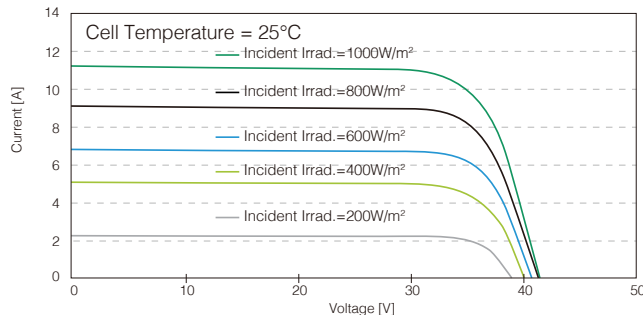
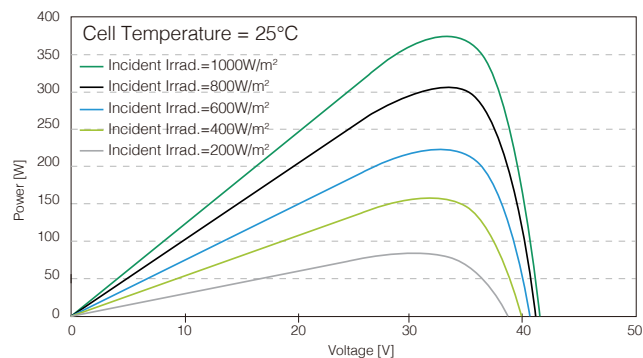
1. In compliance with our warranty terms and conditions.
2. Measurement conditions under irradiance level of Standard Test Conditions (STC): Irradiance 1000W/m<sup>2</sup>, AM 1.5, Cell Temperature 25°C.



## 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 80.2%

1. 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)