



HYPERION™ DIAMOND

Dual Glass Module 265-275W

PRODUCT HIGHLIGHTS

Stunning looks

Solar panels don't have to be ugly

30 year warranty

Now that's RELIABILITY!

Outstanding performance

Able to perform better in harsh conditions

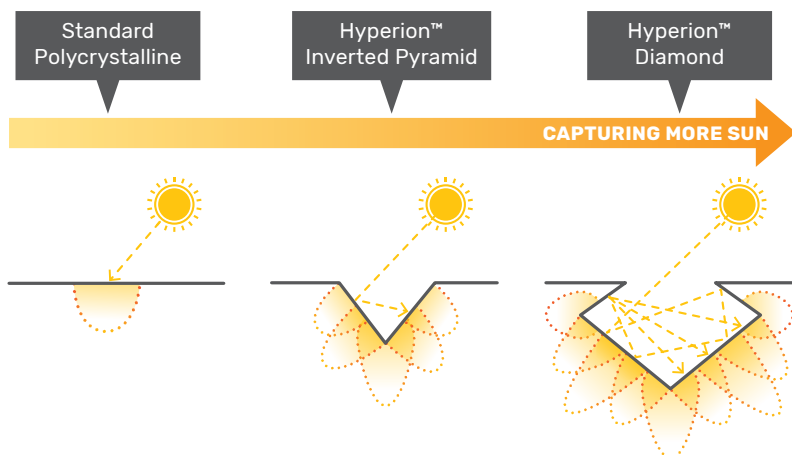


Silver or black frame

POWER YOU CAN SEE!

Let the light shine through!

EVOLUTION OF THE DNA OF SOLAR CELLS



4 C's OF HYPERION™ DIAMOND TECHNOLOGY

1. **CELL** - Hyperion™ Nano Structure Rebuilding Solution NSR
2. **CUT** - Latest diamond cell cutting technology
3. **COLOUR** - Consistent dark blue cell colouration
4. **CONSISTENCY** - Hyperion™ manufactured in Phono Solar's own 2.5GW cell facility

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

1. In compliance with our warranty terms and conditions.
2. 12 year product warranty applies when product is registered at phonosolar.com/care
3. Table from www.reneweconomy.com.au/how-long-will-your-solar-panels-last-and-how-well-will-they-perform-37163/

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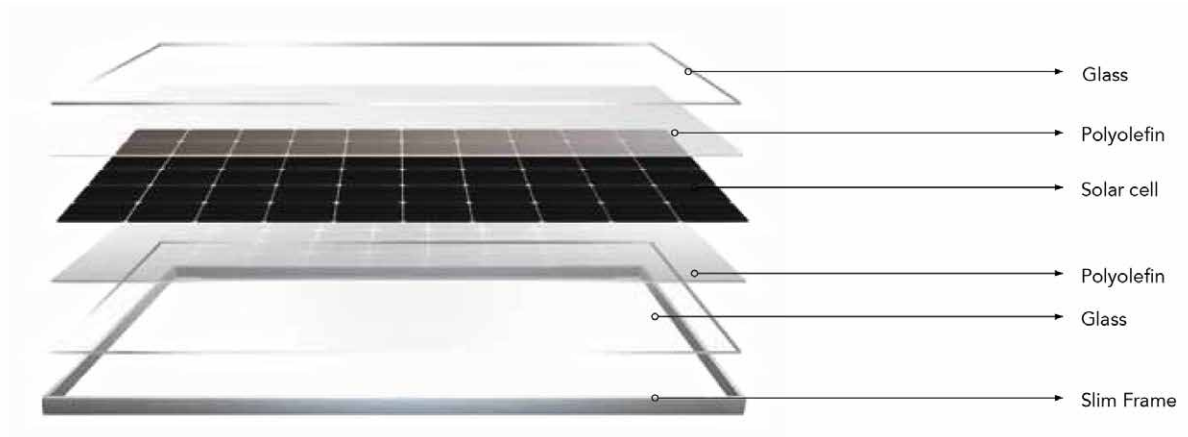
“The bitterness of poor quality remains long after the sweetness of a low price is forgotten”

- Benjamin Franklin



Don't gamble with profitability by choosing the wrong supplier

- > Solar is an investment. Secure your investment with high quality equipment and installation.
- > Phono Solar are quality focussed. Phono Solar engage independent 30 year longevity testing.



Focus on total cost of ownership - not only on your initial investment

Renewable energy is a lifetime relationship in lowering outgoings. Today solar and battery storage are becoming common in the Australian Market. In the near future solar and batteries will be a part of the smart homes and businesses of the future. Congratulations on reviewing renewable energy. Phono Solar would be honored to be on this 30+ year journey with you!

Leading Cells Manufacturing Technology



Anti-PID



5400Pa

Certified to withstand increased loads of up to 5400pa



1500V - Maximum System Voltage



Fire test resistance



IP68 connectors enhance the reliability of the PV system



12 year product warranty²
30 year performance warranty¹

Phono[®] Solar

Diversified Business Sectors

SINOMACH | SUMEC
SUMEC GROUP CORPORATION



Reasons for Choosing Phono Dual Glass

- ✓ Australian office and warranty
- ✓ Diversified manufacturer, 40 years in business
- ✓ Dual Glass best product for harsh Australian conditions
- ✓ BNEF Tier 1 Panel
- ✓ Northern Territory Approved. Panel will work in Australia's harshest conditions
- ✓ Australian engineering, design and manufacturer support
- ✓ Patent on advance solar cell technology - Hyperion™ Nano Structure Rebuilding (NSR)
- ✓ Low chance of common failures of traditional panel technology, 30 year warranty!!
- ✓ 5 bus bar on Hyperion™ NSR Solar Cell

Outstanding results in multiple conditions³

Manufacturer	Thermal Cycling	Damp Heat	PID	Dynamic Load	Humidity-Freeze
Kyocera	Great	Great	Great	Great	Great
Phono Solar	Great	Good	Great	Great	Good
RECOM	Good	Good	Great	Great	unclear
Tenksolar	Good	Good	unclear	Great	Great
JA Solar	Good	unclear	Great	Good	unclear
CSUN	unclear	Good	Great	unclear	unclear
REC	unclear	Good	Great	unclear	unclear
Trina	Good	Good	unclear	Good	unclear
Jinko	unclear	Good	Good	unclear	Good
Hanwha	unclear	unclear	Great	Good	unclear
Q-Cells	unclear	unclear	Good	Good	Good
Yingli	unclear	unclear	unclear	Good	Good
ZNShine	unclear	unclear	Good	unclear	unclear

Phono Solar Highlights:



Owned by Fortune 500
Global Company



Bloomberg
Tier 1



Top Performing
Panel



Australian Office
& Representation

DUAL GLASS MODULE

POLY 265-275W

ELECTRICAL TYPICAL VALUES

Model	PS265PGF-20/U	PS270PGF-20/U	PS275PGF-20/U
Type	Polycrystalline 6"x 6" square, 6 x 10 pieces in series		
Rated Power (Pmpp)	265	270	275
Tolerance	0~+5	0~+5	0~+5
Rated Current (Impp)	8.61	8.71	8.82
Rated Voltage (Vmpp)	30.78	31.00	31.19
Short Circuit Current (Isc)	9.00	9.10	9.20
Open Circuit Voltage (Voc)	38.10	38.20	38.30
Module Efficiency (%)	15.96	16.26	16.56
NOCT (Nominal Operation Cell Temperature)	45°C ± 2°C		
Voltage Temperature Coefficient	-0.31%/°C		
Current Temperature Coefficient	+0.085%/°C		
Power Temperature Coefficient	-0.41%/°C		

MECHANICAL CHARACTERISTICS

Dimension (A × B × C)	Length: 1644mm, Width: 998mm Height: 30mm
Weight	21kg/20.5Kg
Front Glass	2.0mm heat strengthened glass
Frame	Anodized aluminium alloy
Cable	4mm ² (IEC)/12AWG (UL), 130mm/250mm or 1150*2
Junction Box	IP 68 rated

ABSOLUTE MAXIMUM RATING

Parameter	Values
Operating Temperature	From -40 to +85°C
Hail Diameter @ 80km/h	Up to 25mm
Surface Maximum Load Capacity	Up to 5400Pa
Maximum Series Fuse Rating	15A
IEC Application Class (IEC61730)	A
Fire Rating (IEC61730)	C
Module Fire Performance (UL1703)	Type 1
Maximum System Voltage	DC 1500V (IEC)

PACKING CONFIGURATION

Container	40' HQ	20' GP
Pieces per container	884	312

- In compliance with our warranty terms and conditions.
- Measurement conditions under irradiance level of Standard Test Conditions (STC): 1000W/m², Air mass 1.5 Spectrum, cell temperature of 25°C.

WEAK LIGHT PERFORMANCE

