



**PREMIUM  
SOLAR MODULES  
255-270W POLY**

Why is  
Phono Solar  
the Engineers  
choice?

- Industry leading Bill Of Material (BOM) see overleaf
- Top performer in independent batch test conditions
- Excellent performance in Australia's toughest conditions
- Higher quality means less failures and more production

\*DNL-GL stated during 2016 scorecard "By choosing vendors with lower degradation levels the likelihood of technical and financial success for your project is increased".



Outstanding performance in weak-light conditions



Anti-PID



Certified to withstand increased loads of up to 5400pa



Excellent temperature coefficient giving higher yields in the long term



IP68 connector enhance the reliability of the PV system



4 Bus Bar Design



12 year product warranty  
25 year performance warranty<sup>1</sup>



Northern Territory approved



Australian Office & Representation

Phono Solar Highlights:



Approved Partner



Owned by Fortune 500 Global Company

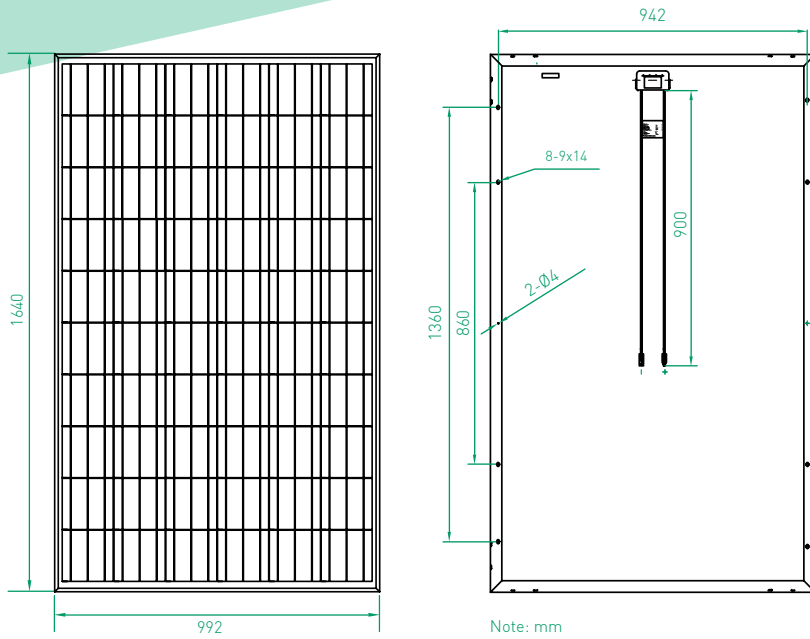


Bloomberg Tier 1



Top Performing Panel

# PREMIUM SOLAR MODULES 255-270W POLY



## MECHANICAL CHARACTERISTICS

<b>Solar Cells</b>	Polycrystalline 156mm x 156mm square, 6 x 10 pieces in series
<b>Dimension</b>	Length: 1640mm Width: 992mm Height: 35mm
<b>Weight</b>	19kg
<b>Front Glass</b>	3.2mm toughened glass
<b>Frame</b>	Anodized aluminium alloy
<b>Cable</b>	4mm <sup>2</sup> (IEC), 900mm
<b>Junction Box</b>	IP68 rated
<b>Cell Type</b>	4 Bus Bars

## 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 1000V (IEC)

## ELECTRICAL TYPICAL VALUES <sup>(1)</sup>

Model	Rated Power (P <sub>mpp</sub> )	Tolerance	Rated Current (I <sub>mpp</sub> )	Rated Voltage (V <sub>mpp</sub> )	Short Circuit Current	Open Circuit Voltage	Module Efficiency (%)
PS255P-20/U	255W	0~+5W	8.42A	30.4V	8.80A	37.9V	15.67
PS260P-20/U	260W	0~+5W	8.54A	30.6V	8.90A	38.0V	15.98
PS265P-20/U	265W	0~+5W	8.61A	30.8V	9.00A	38.1V	16.29
PS270P-20/U	270W	0~+5W	8.71A	31.0V	9.10A	38.2V	16.60

## WEAK LIGHT PERFORMANCE

Intensity (W/m <sup>2</sup> )	(I <sub>mpp</sub> )	(V <sub>mpp</sub> )
1000	1.0	1.000
800	0.8	0.996
600	0.6	0.990
400	0.4	0.983
200	0.2	0.952
100	0.1	0.921

## TEMPERATURE CHARACTERISTICS

NOCT (Nominal Operation Cell Temperature)	45°C ± 2°C
Voltage Temperature Coefficient	-0.31%/k
Current Temperature Coefficient	+0.06%/k
Power Temperature Coefficient	-0.40%/k

## PACKING CONFIGURATION

Container	35mm	40mm	40' HQ	20' GP
Pieces per container	840pcs	728pcs	300	264

1. Measurement conditions under irradiance level of Standard Test Conditions (STC): 1000W/m<sup>2</sup>, Air mass 1.5 Spectrum, cell temperature of 25°C