

Phono[®] Solar

SHARE THE SUN, POWER THE FUTURE!



THE ENGINEERS CHOICE



Top Performer Panel



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 warranty¹



Northern Territory approved



Australian Office & Representation

Phono Solar Highlights:



Approved Partner



Owned by Fortune 500 Global Company



Bloomberg Tier 1



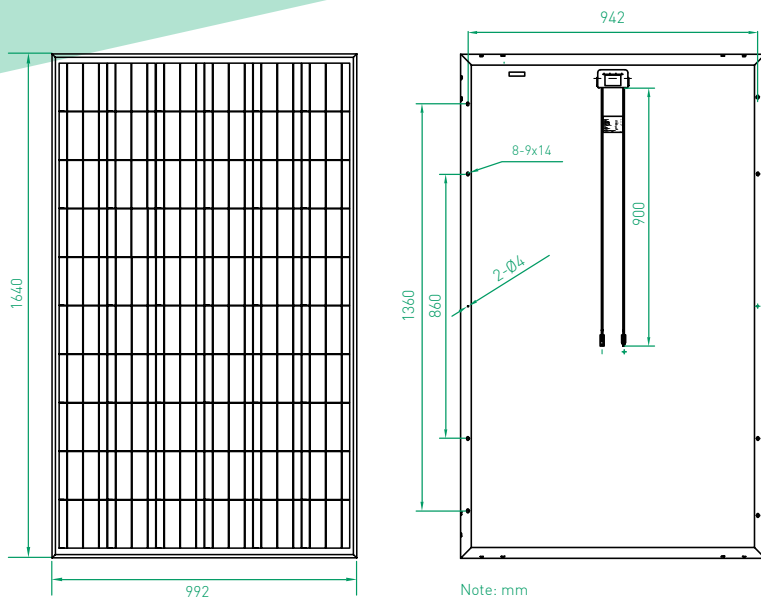
Top Performing Panel

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. In PV Cycle member countries only, see www.pvcycle.com

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PREMIUM SOLAR MODULES 255-270W_{POLY}



MECHANICAL CHARACTERISTICS

Solar Cells	Polycrystalline 156mm x 156mm square, 6 x 10 pieces in series
Dimension	Length: 1640mm Width: 992mm Height: 35mm
Weight	19kg
Front Glass	3.2mm toughened glass
Frame	Anodized aluminium alloy
Cable	4mm ² (IEC), 900mm
Junction Box	IP68 rated
Cell Type	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 ⁽¹⁾

Model	Rated Power (P _{mpp})	Tolerance	Rated Current (I _{mpp})	Rated Voltage (V _{mpp})	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 ²)	(I _{mpp})	(V _{mpp})
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	40' HQ	20' GP
Pieces per container	840pcs	300
	40mm	728pcs
		264

1. Measurement conditions under irradiance level of Standard Test Conditions (STC): 1000W/m², Air mass 1.5 Spectrum, cell temperature of 25°C