

BUILT TOUGH. THE KNOWN SOLAR BRAND AUSTRALIA TRUSTS





WARRANTY





Mono Crystalline Module 300W **60 CELLS**

Why choose Hyundai **Energy Solutions?**



ANTI-LID / PID

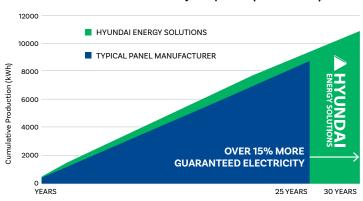
Both LID (Light Induced Degradation) and PID (Potential Induced Degradation) are strictly eliminated to ensure higher actual yield during lifetime.



MECHANICAL STRENGTH

Tempered glass and reinforced frame design withstand rigorous weather conditions such as heavy snow and strong wind.

Panel Performance Warranty Comparison (300W Panels)





Hyundai Solar purchasers get more guaranteed electricity from year one!

CORROSION **RESISTANT**

Various tests under harsh environmental conditions such as ammonia and saltmist passed.



UL / VDE **TEŚT LABS**

Hyundai's Research and Development Centre is an accredited test laboratory of both UL and VDE global safety certifications.

25 YEAR PRODUCT WARRANTY

Hyundai Energy Solutions have a market leading product warranty for our heavy duty 300W RG Series solar panels.

STANDARD PERFORMANCE WARRANTY - 25 YEARS Hyundai Energy Solutions Sumec Phono Solar Trina Solar Longi Canadian Solar Winaico

*This graph is current as at date of publishing & warranties refer to manufacturer's most commonly sold panel product.

1975

Jinko

PV panel performance . warranty

Company lifespan

2015 2019







1985

HYUNDAI PERFORMANCE

WARRANTY - 30 YEARS









ELECTRICAL CHARACTERISTICS*

MODEL		HiA-S300RG	
Power Tolerance -0% / +3%	Nominal Output (Pmpp)	W	300
	Open Circuit Voltage (Voc)	V	39.72
	Short Circuit Current (Isc)	А	9.74
	Voltage at Pmax (Vmpp)	V	32.37
	Current at Pmax (Impp)	А	9.27
	Module Efficiency	%	18.44
	Cell Type	-	6" mono PERC
	Maximum System Voltage	V	1,000
	Maximum Reverse Current	А	20

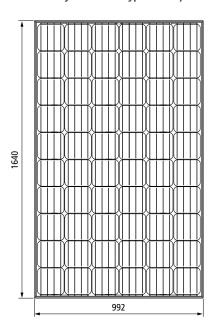
^{*}All data at STC (Standard Test Conditions). Above data may be changed without prior notice

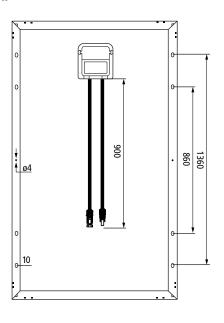
TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature	45°C ± 2
Operating Temperature	-40 - 85°C
Temperature Coefficient of Pmax	-0.41%/°C
Temperature Coefficient of Voc	-0.33%/°C
Temperature Coefficient of Isc	+0.058%/°C

MODULE DIAGRAM (unit:mm)

Mono-Crystalline RG Type - Front/Back View



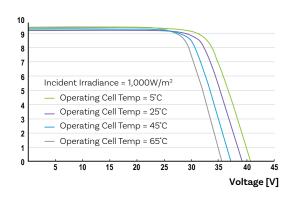


MECHANICAL CHARACTERISTICS

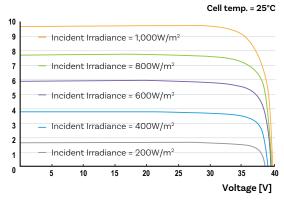
Dimensions	992mm (W) × 1640mm (L) × 35mm (H) Weight: 18.2kg
Solar Cells	60 cells in series (6 × 10 matrix)
Output Cables	4mm² cables with MC4 weatherproof connectors, IEC Certified, length 900mm
Junction Box	IP68
Bypass Diodes	3 bypass diodes to prevent power decrease by partial shade
Construction Front	Anti-reflection coated glass, 3.2mm
Encapsulant	EVA Back Sheet: Weatherproof film
Frame	Black anodised aluminium alloy type AL6063-T5
Application Class	Class A / Class II

I-V CURVES

Current [A]



Current [A]



- IEC 61215-2 (ed.1) and IEC 61730-2 (ed.2) by TUV
- Advanced Mechanical Test: Positive 3600Pa (safety factor 1.5) /Negative 2400Pa (safety factor 1.5)
- 25 Year Product Warranty, 30 Linear Performance Warranty

AUSTRALIAN OFFICE

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SALES & WARRANTY

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