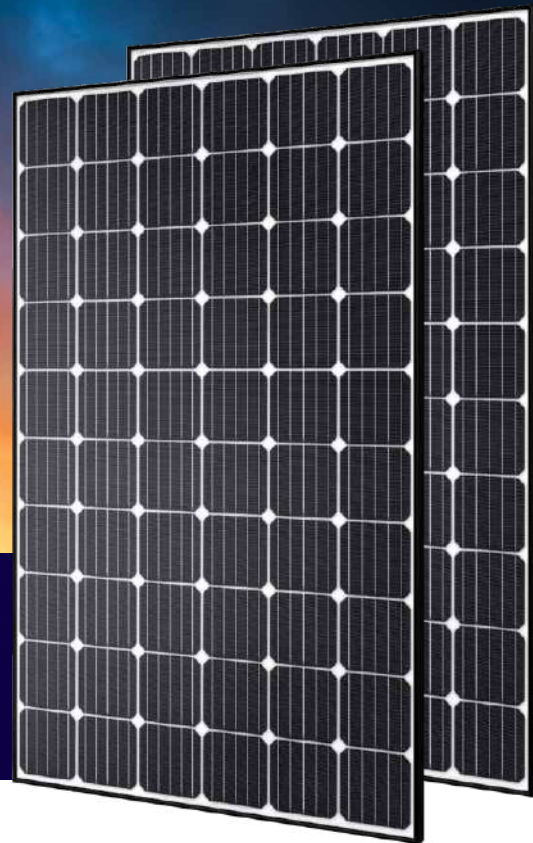




BUILT TOUGH.
THE KNOWN SOLAR BRAND
AUSTRALIA TRUSTS.



Mono Crystalline Module
300W 60 CELLS



25
YEAR PRODUCT
WARRANTY

30
YEAR
PERFORMANCE
WARRANTY

Why choose Hyundai Energy Solutions?



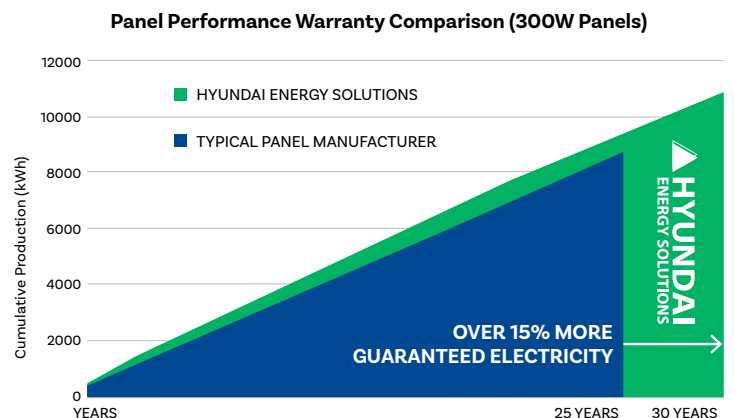
ANTI-LID / PID

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.



Hyundai Solar purchasers get more guaranteed electricity from year one!



CORROSION RESISTANT

Various tests under harsh environmental conditions such as ammonia and salt-mist passed.



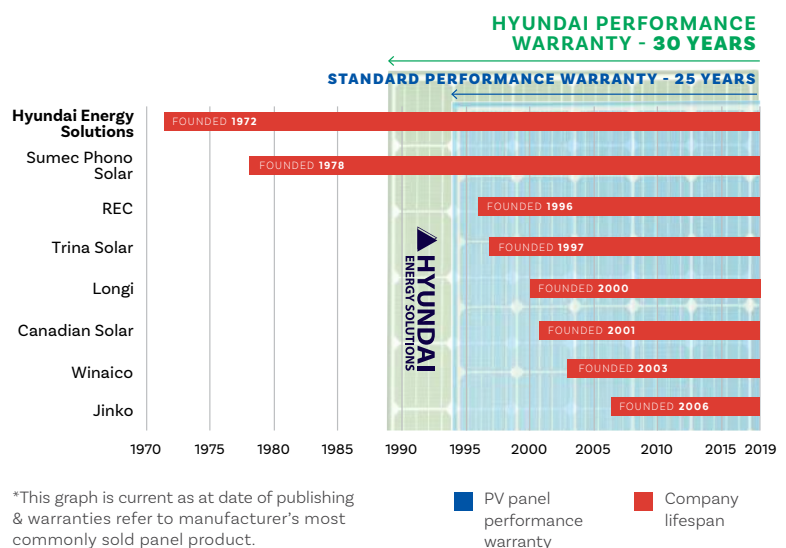
UL / VDE TEST LABS

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.



25 YEAR PRODUCT WARRANTY



www.hyundaisolar.com.au

ELECTRICAL CHARACTERISTICS*

MODEL		HiA-S300RG	
Power Tolerance -0% / +3%	Nominal Output (P _{mpp})	W	300
	Open Circuit Voltage (V _{oc})	V	39.72
	Short Circuit Current (I _{sc})	A	9.74
	Voltage at P _{max} (V _{mpp})	V	32.37
	Current at P _{max} (I _{mpp})	A	9.27
	Module Efficiency	%	18.44
	Cell Type	-	6" mono PERC
	Maximum System Voltage	V	1,000
	Maximum Reverse Current	A	20

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

MECHANICAL CHARACTERISTICS

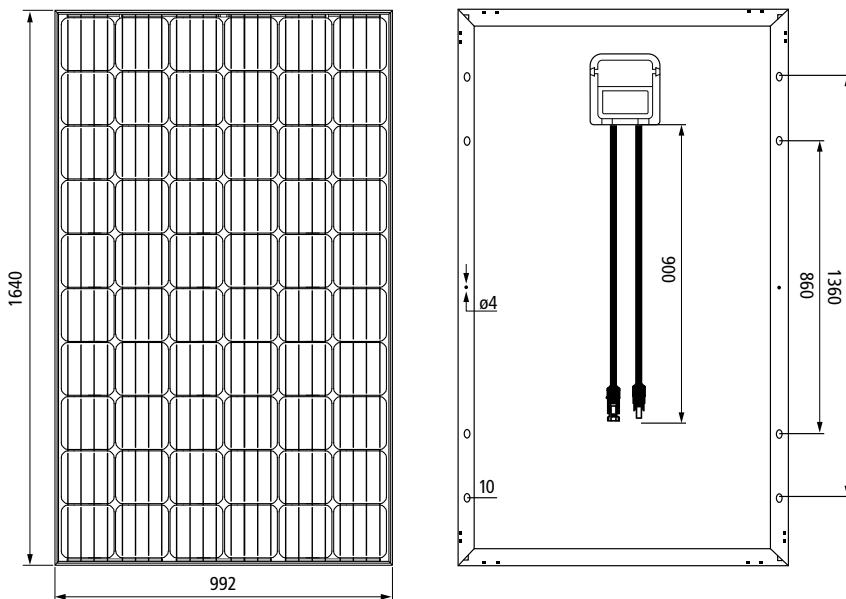
Dimensions	992mm (W) × 1640mm (L) × 35mm (H) Weight: 18.2kg
Solar Cells	60 cells in series (6 × 10 matrix)
Output Cables	4mm ² cables with MC4 weatherproof connectors, IEC Certified, length 900mm
Junction Box	IP68
Bypass Diodes	3 bypass diodes to prevent power decrease by partial shade
Construction Front	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

TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature	45°C ± 2
Operating Temperature	-40 – 85°C
Temperature Coefficient of P _{max}	-0.41%/°C
Temperature Coefficient of V _{oc}	-0.33%/°C
Temperature Coefficient of I _{sc}	+0.058%/°C

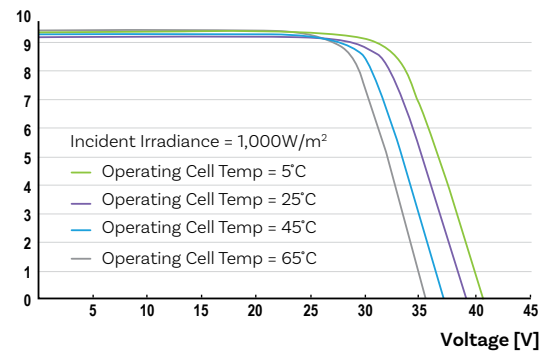
MODULE DIAGRAM (unit:mm)

Mono-Crystalline RG Type - Front/Back View

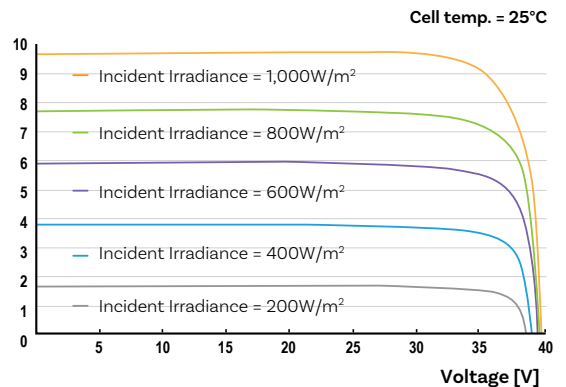


I-V CURVES

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