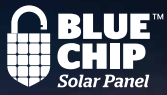


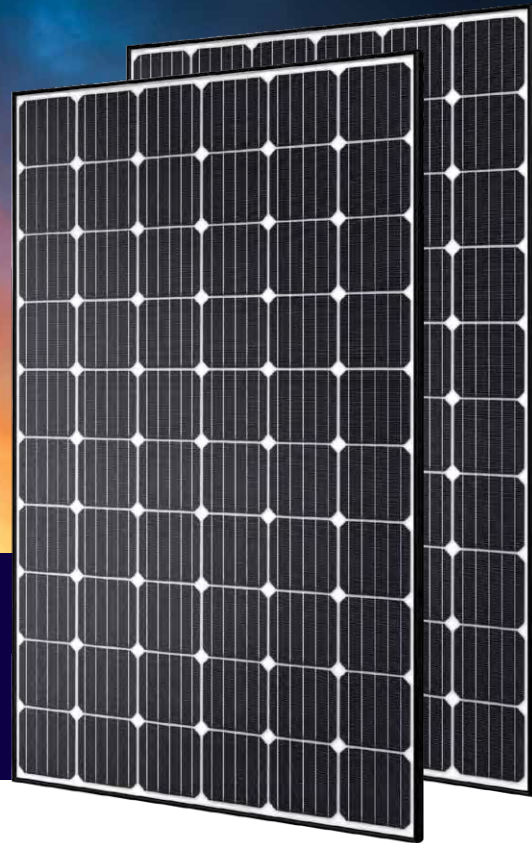
# HYUNDAI ENERGY SOLUTIONS

BUILT TOUGH.  
THE KNOWN SOLAR BRAND  
AUSTRALIA TRUSTS.



**25**  
YEAR PRODUCT  
WARRANTY

**30**  
YEAR  
PERFORMANCE  
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.



### CORROSION RESISTANT

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



### UL / VDE TEST LABS

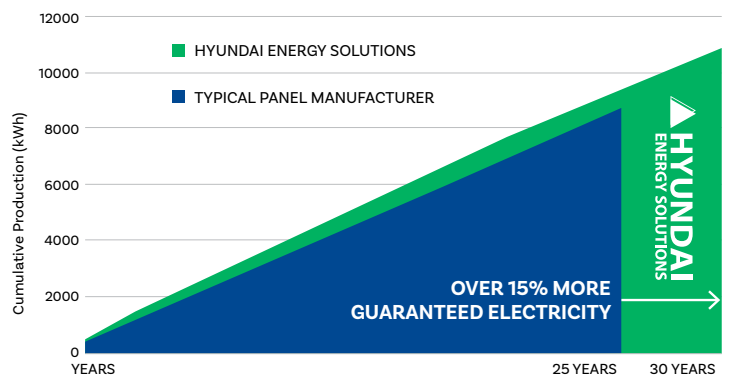
Hyundai's Research and Development Centre is an accredited test laboratory of both UL and VDE global safety certifications.



### 25 YEAR PRODUCT WARRANTY

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

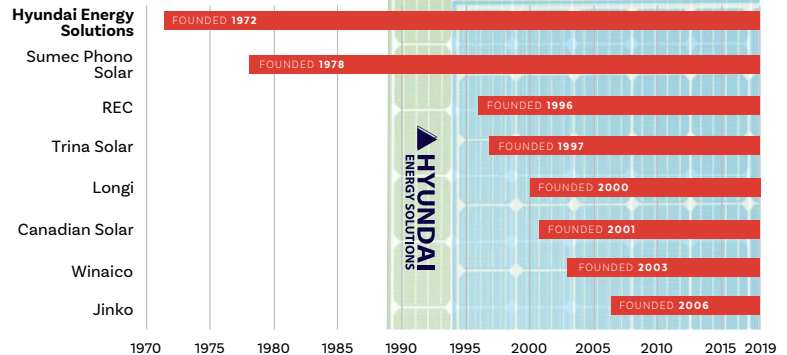
Panel Performance Warranty Comparison (300W Panels)



Hyundai Solar purchasers get more guaranteed electricity from year one!

### HYUNDAI PERFORMANCE WARRANTY - 30 YEARS

STANDARD PERFORMANCE WARRANTY - 25 YEARS



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

■ PV panel performance warranty ■ Company lifespan

**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)	A	9.74
	Voltage at Pmax (Vmpp)	V	32.37
	Current at Pmax (Impp)	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**

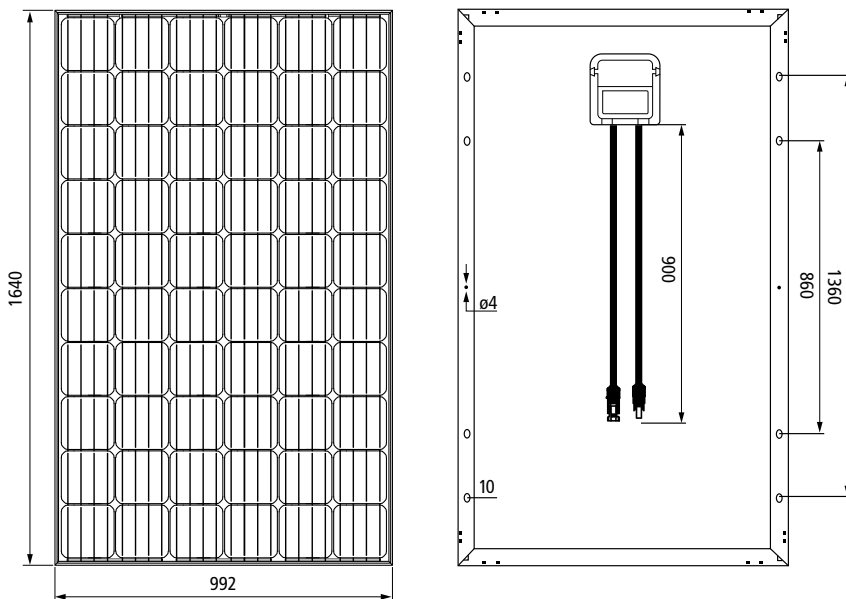
<b>Dimensions</b>	992mm (W) × 1640mm (L) × 35mm (H) Weight: 18.2kg
<b>Solar Cells</b>	60 cells in series (6 × 10 matrix)
<b>Output Cables</b>	4mm <sup>2</sup> cables with MC4 weatherproof connectors, IEC Certified, length 900mm
<b>Junction Box</b>	IP68
<b>Bypass Diodes</b>	3 bypass diodes to prevent power decrease by partial shade
<b>Construction Front</b>	Anti-reflection coated glass, 3.2mm
<b>Encapsulant</b>	EVA   Back Sheet: Weatherproof film
<b>Frame</b>	Black anodised aluminium alloy type AL6063-T5
<b>Application Class</b>	Class A / Class II

**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

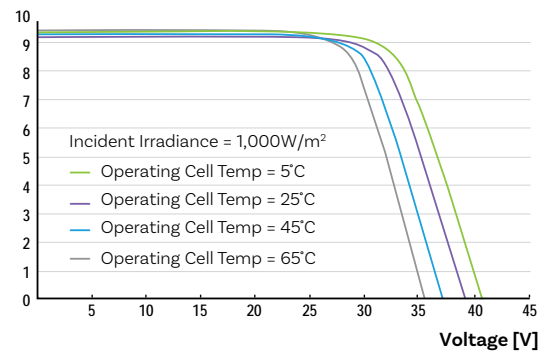
**MODULE DIAGRAM (unit:mm)**

Mono-Crystalline RG Type - Front/Back View

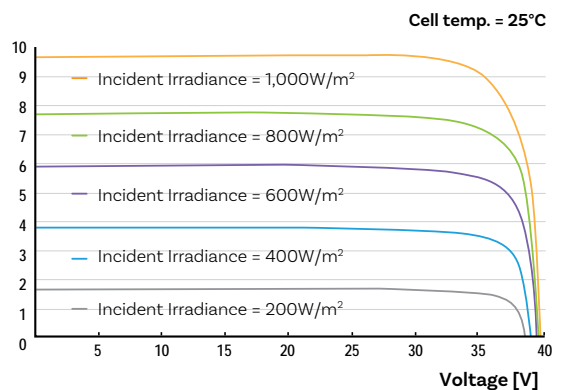


**I-V CURVES**

Current [A]



Current [A]



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