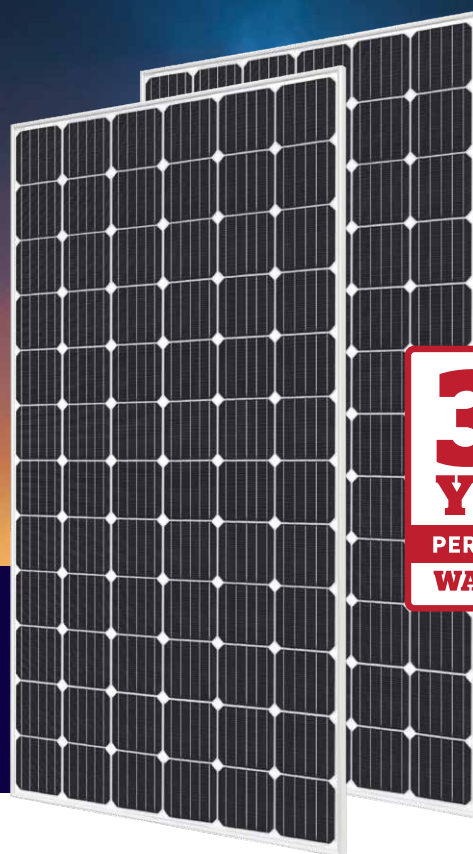


# HYUNDAI ENERGY SOLUTIONS

BUILT TOUGH.  
THE KNOWN SOLAR BRAND  
AUSTRALIA TRUSTS.



**Mono Crystalline Module**  
**360W 72 CELLS**



**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.



### CORROSION RESISTANT

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



### UL / VDE TEST LABS

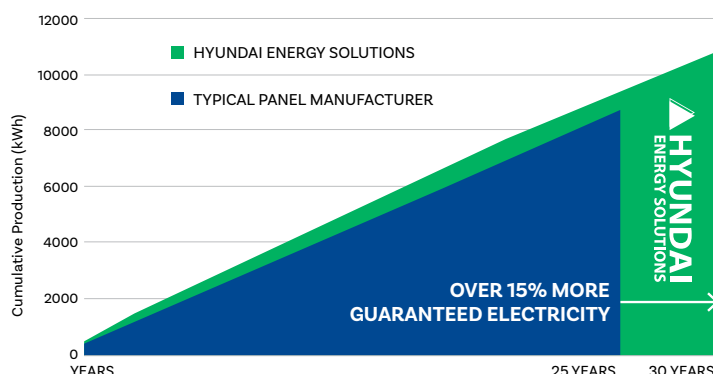
Hyundai's Research and Development Centre is an accredited test laboratory of both UL and VDE global safety certifications.



### 15% MORE ELECTRICITY

Hyundai Energy Solutions have proven performance - producing 15% more guaranteed electricity than other panels in Australian conditions.

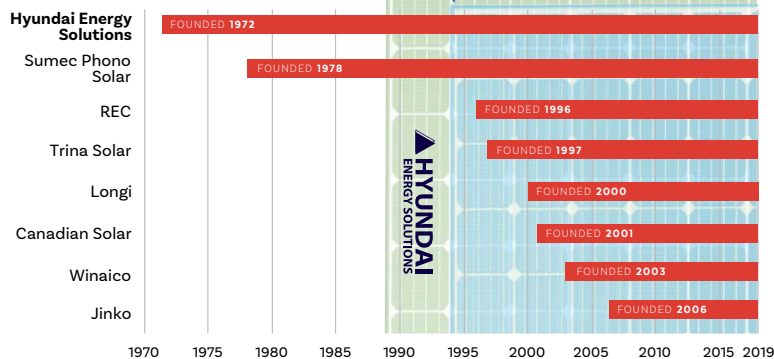
Panel Performance Warranty Comparison (300W Panels)



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-S360RI	
Power Tolerance -0% / +3%	Nominal Output (Pmpp)	W	360
	Open Circuit Voltage (Voc)	V	47.44
	Short Circuit Current (Isc)	A	9.73
	Voltage at Pmax (Vmpp)	V	39.01
	Current at Pmax (Impp)	A	9.23
	Module Efficiency	%	18.55
	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

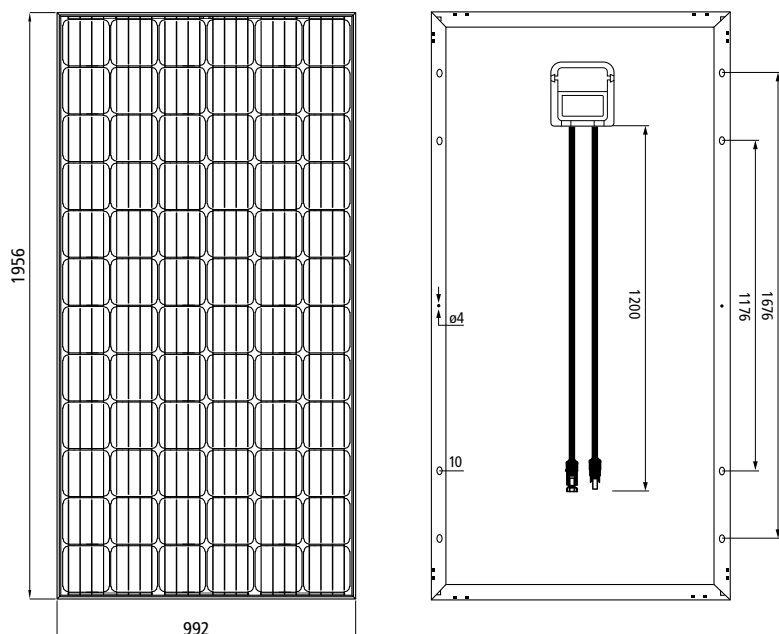
Dimensions	992mm (W) × 1956 mm (L) × 40mm (H) Weight: 22.0kg
Solar Cells	72 cells in series (6 × 12 matrix)
Output Cables	4mm <sup>2</sup> cables with PV-JM601 weatherproof connectors, IEC Certified, length 1200mm
Junction Box	IP68
Bypass Diodes	3 bypass diodes to prevent power decrease by partial shade
Construction Front	Anti-reflection coated glass, 3.2mm
Encapsulant	EVA   Back Sheet: Weatherproof film
Frame	Clear 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 Pmax	-0.41%/°C
Temperature Coefficient of Voc	-0.33%/°C
Temperature Coefficient of Isc	+0.058%/°C

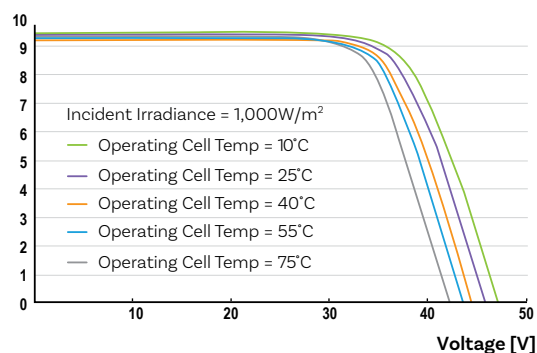
### MODULE DIAGRAM (unit:mm)

#### Mono-Crystalline RI Type - Front/Back View

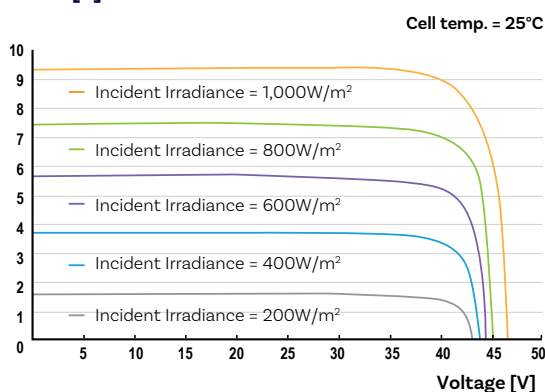


### I-V CURVES

#### 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)
- 12 Year Product Warranty, 30 Linear Performance Warranty