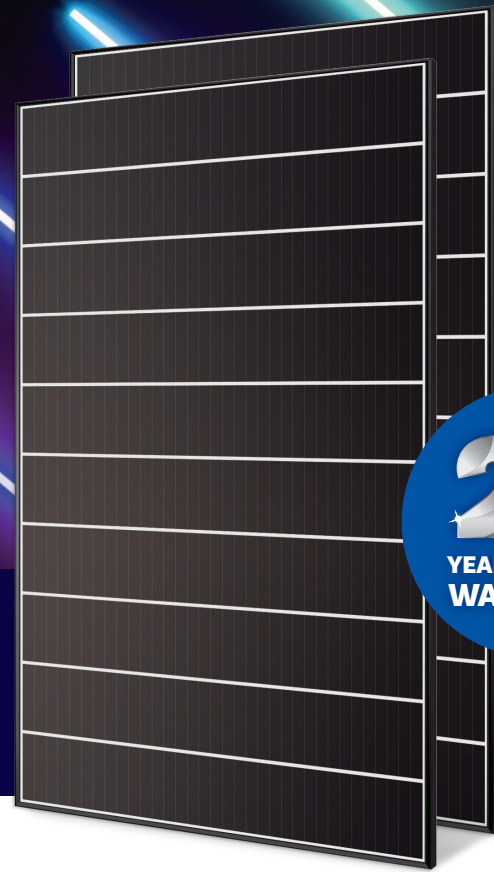


THE KNOWN
SOLAR BRAND
AUSTRALIA TRUSTS



HiE-S350SG Mono-Crystalline
350W SHINGLED

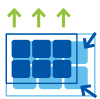
Why choose Hyundai Energy Solutions?

No. 94 **Forbes**
2019 WORLD'S MOST VALUABLE BRANDS



Hyundai is one of the biggest consumer brand names in the world. As a long established international brand, Hyundai Energy Solutions solar panels have been installed within Australia for over 10 years. We offer a market leading product and performance warranty of 25 years.

By purchasing panels from a trusted and well known consumer brand, you're making a safer investment for the long term.



PERC SHINGLED TECHNOLOGY

PERC Shingled Technology provides ultra-high efficiency with better performance in low irradiation. Maximises installation capacity in limited space.



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.



SUPERIOR TEMPERATURE COEFFICIENT

Lower internal cell current results in superior performance in hot climates.



25 YEAR WARRANTY

Market leading product & performance warranty for our heavy duty 350W SG Series solar panels.

25-Year Product Warranty - On materials and workmanship.

25-Year Performance Warranty - Initial year: 98.0%, Linear warranty after second year: with 0.55%p annual degradation, 84.8% is guaranteed up to 25 years.

ELECTRICAL CHARACTERISTICS*

MODEL	HiE-S350SG	
Nominal Output (P _{mpp})	W	350
Open Circuit Voltage (V _{oc})	V	45.4
Short Circuit Current (I _{sc})	A	9.60
Voltage at P _{max} (V _{mpp})	V	37.6
Current at P _{max} (I _{mpp})	A	9.31
Module Efficiency	%	20.2
Cell Type	-	Mono-Crystalline Silicon
Maximum System Voltage	V	DC 1,500 V (IEC)
Maximum Reverse Current	A	20

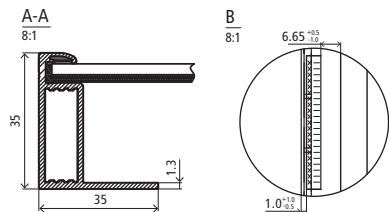
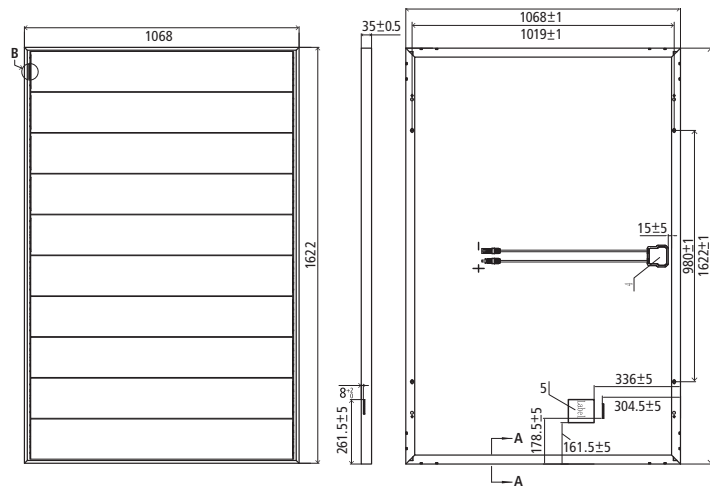
*All data at STC (Standard Test Conditions). Above data may be changed without prior notice.

TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature	42.3°C ± 2
Operating Temperature	-40 - 85°C
Temperature Coefficient of P _{max}	-0.34%/°C
Temperature Coefficient of V _{oc}	-0.27%/°C
Temperature Coefficient of I _{sc}	+0.04%/°C

MODULE DIAGRAM (unit:mm)

Mono-Crystalline SG Type - Front/Back View

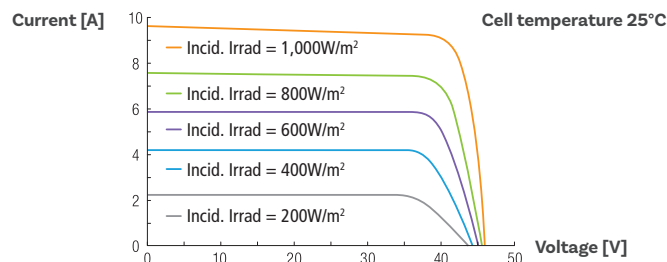
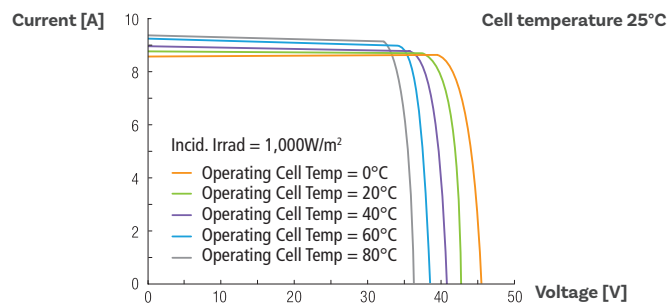


- IEC 61215-2 (ed.1) and IEC 61730-2 (ed.2) by TUV
- Advanced Mechanical Test: Positive 3600Pa (safety factor 1.5) /Negative 2400Pa (safety factor 1.5)

MECHANICAL CHARACTERISTICS

Dimensions	1068mm (W) × 1622mm (L) × 35mm (H) Weight: 19.8kg
Solar Cells	340 cells, 6" PERC Mono-Crystalline Silicon solar cells (in increment of 5)
Output Cables	4mm ² cables with genuine MC4 connectors (1000V), IEC Certified, length 1000mm
Junction Box	Rated current: 15A, IP67, TUV&UL
Construction Front	Transparent toughened safety glass, 3.2mm
Encapsulant	EVA Back Sheet: Composite film
Frame	Anodised aluminum profile
Application Class	Class A / Class II
Maximum Surface Load Capacity	Front 5,400 Pa, Rear 2,400 Pa

I-V CURVES



INSTALLATION SAFETY GUIDE

- Only qualified personnel should install or perform maintenance.
- Be aware of dangerous high DC voltage.
- Do not damage or scratch the rear surface of the module.
- Do not handle or install modules when they are wet.

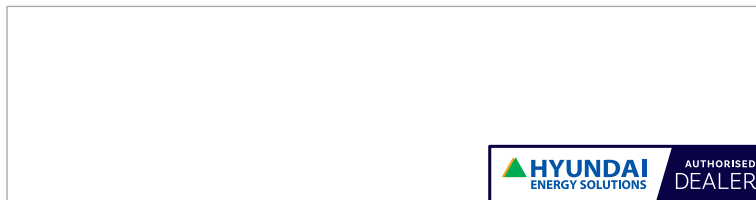
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