

Hyundai is one of the biggest brand names in the world. As a Heavy Industries manufacturer, Hyundai uses processes superior to standard PV manufacturing techniques. That is why we call our solar panel range "Heavy Duty".



PERL technology provides ultra-high efficiency with better performance in low irradiation. Maximises installation capacity in limited space.



Global brand with powerful financial strength provides a reliable 25-year warranty.



ANTI-LID / PID

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



CORROSION RESISTANT

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



SCAN TO WATCH VIDEO

Download QR Reader on your mobile device



MECHANICAL STRENGTH

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



UL / VDE TEST LABS

Hyundai's R&D centre is an accredited test laboratory of both UL and VDE.



Established in 1972, Hyundai Heavy Industries (HHI) is one of the most trusted names in the heavy industries sector with 48,000 employees and more than 40 Billion USD in annual sales (2015). As a global leader and innovator, Hyundai Heavy Industries is committed to building a future growth engine by developing and investing heavily in the field of renewable energy. Started as a core business division of HHI, Hyundai Solar (Hyundai Heavy Industries Green Energy) now stands as an independent company and an affiliate of HHI as from December 2016. It is the largest and the longest standing PV cell and module manufacturer in South Korea with 800 MW of module production capacity. We pride ourselves in providing high-quality solar PV products to more than 3,000 customers worldwide.

10 YEAR

PRODUCT WARRANTY

On materials and workmanship

25 YEAR

PERFORMANCE WARRANTY

Initial year: 97%

Linear warranty after second year: with 0.7% annual degradation, 80.2% is guaranteed up to 25 years

-0.29

ELECTRICAL CHARACTERISTICS

MODEL	HiS-S275RG	HiS-S280RG	HiS-S285RG	HiS-S290RG	HiS-S295RG	HiS-S300RG
Nominal Output (Pmpp) W	275	280	285	290	295	300
Open Circuit Voltage (Voc) V	38.4	38.5	38.7	38.8	39.0	39.1
Short Circuit Current (Isc) A	9.3	9.4	9.5	9.7	9.8	9.9
Voltage at Pmax (Vmpp) V	31.6	31.7	31.8	32.0	32.1	32.3
Current at Pmax (Impp) A	8.7	8.8	8.9	9.1	9.2	9.3
Module Efficiency %	16.8	17.1	17.4	17.7	18.0	18.3

Cell Type 6", mono-crystalline silicon

Maximum System Voltage V 1,000

-0.40 Temperature Coefficient of Pmax °C

Temperature Coefficient of Isc %/K 0.039

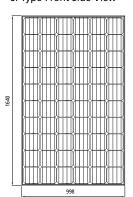
MECHANICAL CHARACTERISTICS

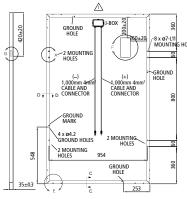
Temperature Coefficient of Voc %/K

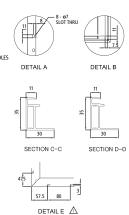
Dimensions	998mm (W) × 1,640mm (L) × 35mm (H)		
Weight Approx.	18.7kg		
Solar Cells	60 cells in series (6 ×10 matrix) (Hyundai cell, Made in Korea)		
Output Cables	4 mm² (12AWG) cables with polarised weatherproof connectors		
IEC certified	(UL listed), Length 1.0m		
Junction Box	IP68, weatherproof, IEC certified (UL listed)		
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 anodized aluminum alloy type 6063		

MODULE DIAGRAM (unit:mm)

Mono-Crystalline Si Type-Front Side View





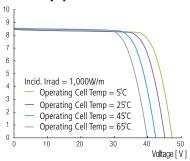


TEMPERATURE CHARACTERISTICS

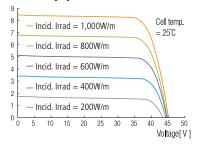
Nominal Operating Cell Temperature	46°C ± 2
Operating Temperature	-40 - 85°C
Maximum System	DC 1,000 V (IEC)
Voltage	DC 1,000 V (UL)
Maximum Reverse	15A (Up to 285W)
Current	20A (Above 290W)

I-V CURVES

Current [A]



Current [A]



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.

CONTACT

Australian Importer and Manufacturer Hyundai Green Energy

Hyundai Sales and Warranty **Supply Partners Pty Ltd**







