HYUNDAI SOLAR MODULE

Multi-Crystalline Type

HiS-M250RG HiS-M255RG HiS-M260RG HiS-M265RG **Mono-Crystalline Type** HiS-S275RG HiS-S280RG HiS-S285RG HiS-S290RG

HiS-S300RG

HiS-S295RG

SERIES

For Both

Residential &

Commercial

Applications



More Power

Generation

In Low Light



Hyundai Cell, Made in Korea





Cells

PERL Technology

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



Reliable Warranty

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

Hyundai's Warranty Provisions



10-Year Product Warranty
 On materials and workmanship

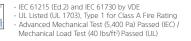


25-Year Performance Warranty Initial year: 97%

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

Certification







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



yield during lifetime.

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

nti-LID / PID

Both LID(Light Induced Degradation) and

strictly eliminated to ensure higher actual

PID(Potential Induced Degradation) are



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

About Hyundai Solar

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 have strong pride in providing high-quality solar PV products to more than 3,000 customers worldwide.



www.hhigreen.com

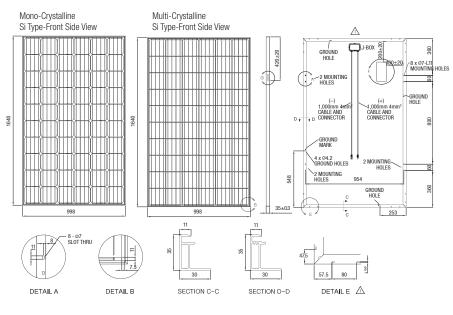
Electrical Characteristics		Multi-Crystalline Module (HiS-MRG)			Mono-Crystalline Module (HiS-SRG)						
		250	255	260	265	275	280	285	290	295	300
Nominal Output (Pmpp)	W	250	255	260	265	275	280	285	290	295	300
Open Circuit Voltage (Voc)	V	37.4	37.6	37.7	37.9	38.4	38.5	38.7	38.8	39.0	39.1
Short Circuit Current (Isc)	А	8.7	8.8	8.9	9.1	9.3	9.4	9.5	9.7	9.8	9.9
Voltage at Pmax (Vmpp)	V	30.9	31.0	31.1	31.3	31.6	31.7	31.8	32.0	32.1	32.3
Current at Pmax (Impp)	А	8.1	8.2	8.4	8.5	8.7	8.8	8.9	9.1	9.2	9.3
Module Efficiency	%	15.3	15.6	15.9	16.2	16.8	17.1	17.4	17.7	18.0	18.3
Cell Type	-	6", multi-crystalline silicon				6", mono-crystalline silicon					
Maximum System Voltage	V	1,000				1,000					
Temperature Coefficient of Pmax	%/K	-0.41				-0.40					
Temperature Coefficient of Voc	%/K	-0.31				-0.29					
Temperature Coefficient of Isc	%/K	0.039				0.039					

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

Mechanical Characteristics

Dimensions	998 mm (39.29′′)(W) \times 1,640 mm (64.57′′)(L) \times 35 mm (1.38′′)(H)			
Weight	Approx. 18.7kg (41.2 lbs)			
Solar Cells	60 cells in series (6 ×10 matrix) (Hyundai cell, Made in Korea)			
Output Cables	4 mm² (12AWG) cables with polarized weatherproof connectors, IEC certified (UL listed), Length 1.0 m (39.4″)			
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, 3.2 mm (0.126") Encapsulant : EVA Back Sheet : Weatherproof film			
Frame	Clear anodized aluminum alloy type 6063			

Module Diagram (unit : mm)

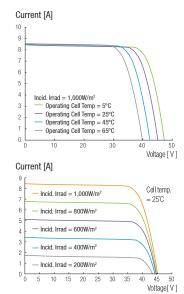


Installation Safety Guide

- 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.

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

I-V Curves







Sales & Marketing

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