



# 현대 태양광 모듈

## RG-Series

### Multi-crystalline Type (다결정모듈)

HiS-M250RG | HiS-M255RG | HiS-M260RG

### Mono-crystalline Type (단결정모듈)

HiS-S260RG | HiS-S265RG | HiS-S270RG

## Mechanical Characteristics

Dimensions	998 mm (39.29" )(W) × 1,640 mm (64.57" )(L) × 35 mm (1.38" )(H)
Weight	Approx. 17.2 kg (37.9 lbs)
Solar cells	60 cells in series (6 × 10 matrix) (Hyundai cell, Made in Korea)
Output cables	4 mm <sup>2</sup> (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 : High transmission low-iron tempered glass, 2.8 mm (0.11") Encapsulant : EVA    Back Sheet : Weatherproof film
Frame	Clear anodized aluminum alloy type 6063

## High Quality

- IEC 61215 (Ed.2) and IEC 61730 by VDE
- UL listed (UL 1703), Class C Fire Rating
- Output power tolerance +3/-0 %
- ISO 9001:2000 and ISO 14001:2004 Certified
- Advanced Mechanical Test (5,400 Pa) Passed (IEC)  
/ Mechanical Load Test (40 lbs/ft<sup>2</sup>) Passed (UL)
- Ammonia Corrosion Resistance Test Passed
- IEC 61701 (Salt Mist Corrosion Test) Passed

## Fast and Inexpensive Mounting

- Delivered ready for connection
- IEC (UL) certified and weatherproof connectors
- Integrated bypass diodes

## Limited Warranty

- 5 years for product defect
- 10 years for 90 % of warranted min. power
- 25 years for 80 % of warranted min. power

### ※ 보증관련 유의사항

태양광모듈 보증은 현대중공업 로고와 시리얼 넘버가 부착된 정품 제품에만 유효합니다.



# Electrical Characteristics

## | Multi-crystalline Type (다결정모듈) |

		HiS-M□□□RG		
		250	255	260
Nominal output (Pmpp)	W	250	255	260
Voltage at Pmax (Vmpp)	V	30.9	31.0	31.1
Current at Pmax (Impp)	A	8.1	8.2	8.4
Open circuit voltage (Voc)	V	37.4	37.6	37.7
Short circuit current (Isc)	A	8.7	8.8	8.9
Output tolerance	%	+3/-0		
No. of cells & connections	pcs	60 in series		
Cell type	-	6" Multi-crystalline silicon (Hyundai cell, Made in Korea)		
Module efficiency	%	15.3	15.6	15.9
Temperature coefficient of Pmpp	%/K	-0.43	-0.43	-0.43
Temperature coefficient of Voc	%/K	-0.32	-0.32	-0.32
Temperature coefficient of Isc	%/K	0.048	0.048	0.048

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

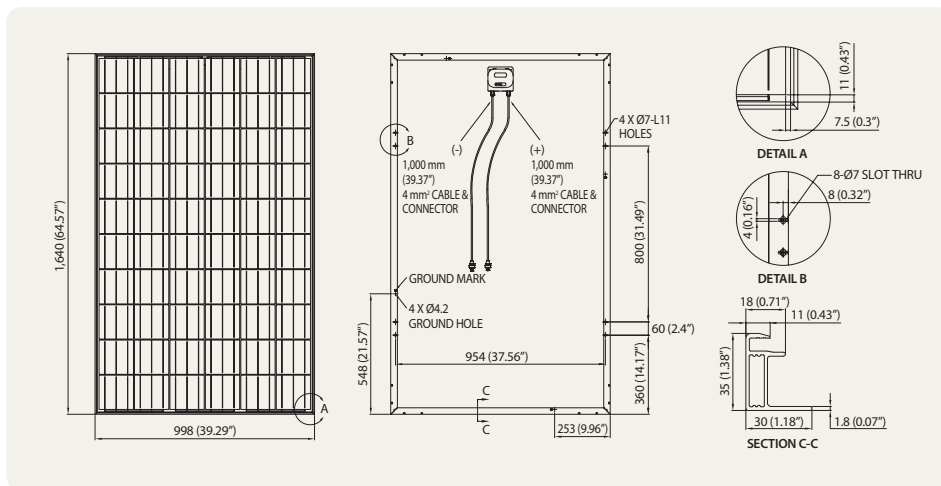
## | Mono-crystalline Type (단결정모듈) |

		HiS-S□□□RG		
		260	265	270
Nominal output (Pmpp)	W	260	265	270
Voltage at Pmax (Vmpp)	V	31.1	31.3	31.4
Current at Pmax (Impp)	A	8.4	8.5	8.6
Open circuit voltage (Voc)	V	37.9	38.1	38.2
Short circuit current (Isc)	A	8.9	9.0	9.2
Output tolerance	%	+3/-0		
No. of cells & connections	pcs	60 in series		
Cell type	-	6" Mono-crystalline silicon (Hyundai cell, Made in Korea)		
Module efficiency	%	15.9	16.2	16.5
Temperature coefficient of Pmpp	%/K	-0.45	-0.45	-0.45
Temperature coefficient of Voc	%/K	-0.33	-0.33	-0.33
Temperature coefficient of Isc	%/K	0.032	0.032	0.032

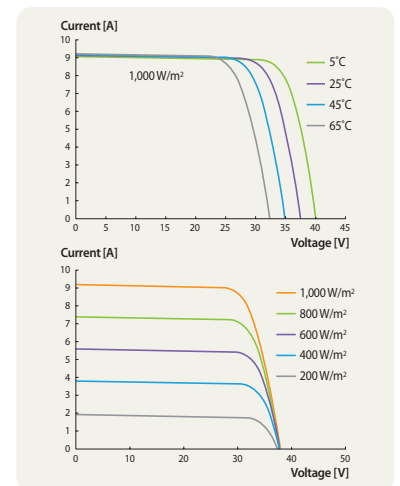
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## | Module Diagram |

(unit : mm, inch)



## | I-V Curves |

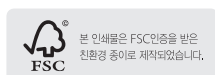


## | 설치시 유의사항 |

- 전문 기술자만이 설치 및 유지·보수 작업을 할 수 있으며 고압 직류전압에 유의하십시오.
- 모듈 뒷면이 상하거나 굽히지 않도록 유의하십시오.
- 모듈은 젖은 상태로 설치하지 마십시오.

Nominal Operating Cell Temperature	46°C ± 2
Operating Temperature	-40 - 85°C
Maximum System Voltage	DC 1,000 V (IEC) DC 600 V (UL)
Maximum Reverse Current	15 A

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**Sales & Marketing (솔라영업부)**  
 서울특별시 중로구 을지로 75 현대빌딩 2층  
 Tel : 02-746-8401, 7531, 7852, 4690, 7570 Fax : 02-746-7675

**현대중공업**