



현대 태양광 모듈

RI-Series

Multi-crystalline Type (다결정모듈)

HiS-M305RI | HiS-M310RI | HiS-M315RI | HiS-M320RI | HiS-M325RI-FEHA

Mono-crystalline Type (단결정모듈)

HiS-S335RI | HiS-S340RI | HiS-S345RI | HiS-S350RI | HiS-S355RI-FEHA

※ 현대중공업그린에너지가 직접 생산한 국산셀만 사용합니다.

Mechanical Characteristics

Dimensions	998 mm (W) × 1,960 mm(L) × 40 mm (H)
Weight	Approx. 23 kg
Solar cells	72 cells in series (6 × 12 matrix) (Hyundai cell, Made in Korea)
Output cables	4 mm ² (12AWG) cables with polarized weatherproof connectors, IEC certified (UL listed), Length 1.2 m, MC4 compatible connectors
Junction box	IP67, 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, 3.2 mm Encapsulant : EVA Back Sheet : Weatherproof film
Frame	Anodized aluminum alloy type 6063

High Quality

- IEC 61215 (Ed.2) and IEC 61730 Certified by VDE
- Output power tolerance +3/-0 %
- ISO 9001:2008, ISO 14001:2004 and ISO 50001:2011 Certified
- OHSAS 18001:2007 Certified
- Advanced Mechanical Test (5,400 Pa) Passed (IEC 61215)
- IEC 62716 (Ammonia Corrosion Test) Certified
- IEC 61701 (Salt Mist Corrosion Test) Certified

Accredited Test Lab

- VDE (Test Data Acceptance Program)
- UL (Witness Test Data Program)

Limited Warranty

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

※ 보증관련 유의사항

태양광모듈 보증은 현대중공업그린에너지 로고와 시리얼 넘버가 부착된 정품 제품에만 유효합니다.



Electrical Characteristics

| Multi-crystalline Type (다결정모듈) |

		HiS-M□□□RI-FEHA				
		305	310	315	320	325
최대출력 (Pmpp)	W	305	310	315	320	325
최대동작전압 (Vmpp)	V	36.0	36.0	36.2	36.4	36.6
최대동작전류 (Impp)	A	8.5	8.6	8.7	8.8	8.8
개방전압 (Voc)	V	45.1	45.3	45.5	45.7	45.9
단락전류 (Isc)	A	8.8	8.9	9.0	9.0	9.1
출력오차	%	+3/-0				
셀수	pcs	72 in series				
셀타입	-	6" Multi-crystalline silicon (Hyundai cell, Made in Korea)				
모듈효율	%	15.6	15.8	16.1	16.4	16.6
최대출력 온도계수	%/K	-0.41	-0.41	-0.41	-0.41	-0.41
개방전압 온도계수	%/K	-0.32	-0.32	-0.32	-0.32	-0.32
단락전류 온도계수	%/K	0.039	0.039	0.039	0.039	0.039

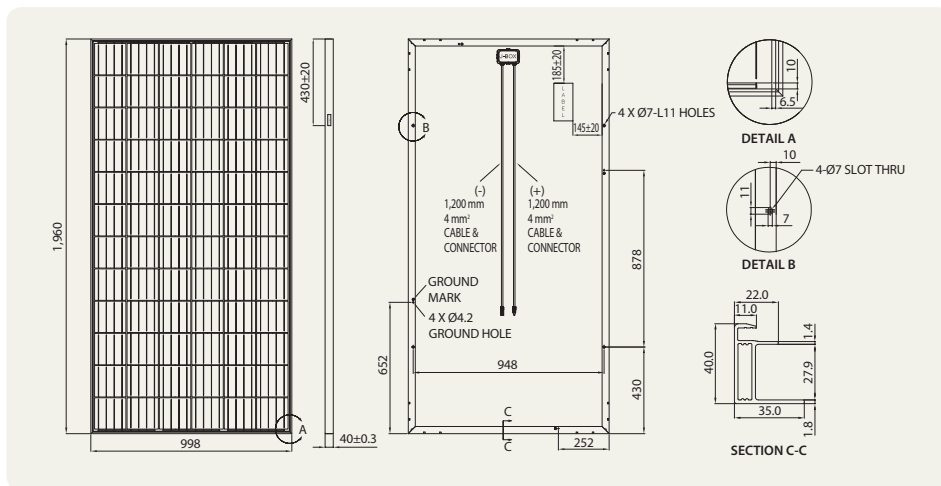
※ 모든 데이터는 STC (Standard Test Conditions) 조건에서 수행되며, 상기 데이터는 사전 예고없이 변경될 수 있습니다.

| Mono-crystalline Type (단결정모듈) |

		HiS-S□□□RI-FEHA				
		335	340	345	350	355
최대출력 (Pmpp)	W	335	340	345	350	355
최대동작전압 (Vmpp)	V	38.2	38.4	38.6	38.7	38.9
최대동작전류 (Impp)	A	8.8	8.9	9.0	9.0	9.1
개방전압 (Voc)	V	46.5	46.7	46.9	47.1	47.3
단락전류 (Isc)	A	9.4	9.5	9.6	9.6	9.7
출력오차	%	+3/-0				
셀수	pcs	72 in series				
셀타입	-	6" Mono-crystalline silicon (Hyundai cell, Made in Korea)				
모듈효율	%	17.1	17.4	17.6	17.9	18.1
최대출력 온도계수	%/K	-0.42	-0.42	-0.42	-0.42	-0.42
개방전압 온도계수	%/K	-0.30	-0.30	-0.30	-0.30	-0.30
단락전류 온도계수	%/K	0.047	0.047	0.047	0.047	0.047

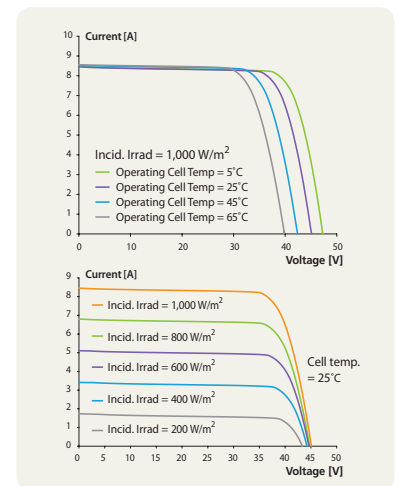
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| Module Diagram |



(unit : mm)

| I-V Curves |

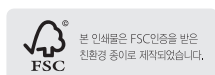


| 설치시 유의사항 |

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

Nominal Operating Cell Temperature	46°C ± 2
Operating Temperature	-40 - 85°C
Maximum System Voltage	DC 1,500 V (KS)
Maximum Reverse Current	15 A

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