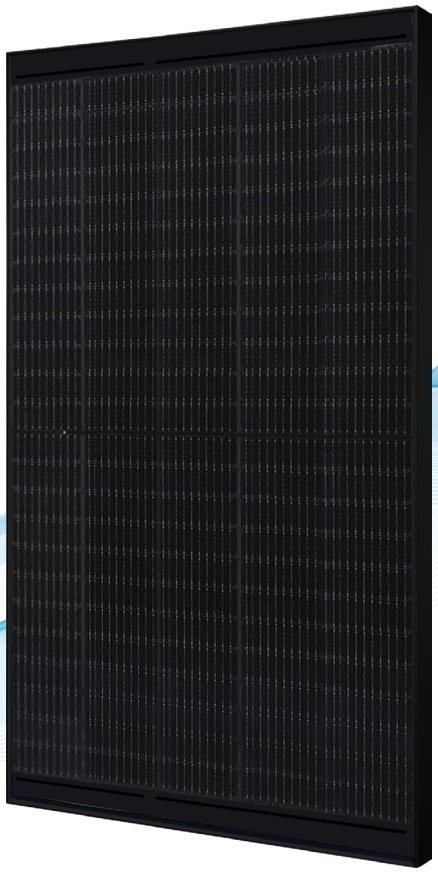
HD HYUNDAI SOLAR MODULE

MG Series

Customized Module

HiS-C265MG | HiS-C270MG | HiS-C275MG | HiS-C280MG | HiS-C285MG



Tailored Design for existing Solar Systems

Long-Term Reliability

More Power Generation In Low Light

High Durability

For Residential (Full Black Design)

HD Hyundai Energy Solutions

Established in 1972, HD Hyundai Group is one of the most trusted names in the heavy industries sector and is a Fortune 500 company. As a global leader and innovator, HD Hyundai is committed to building a future growth engine by developing and investing heavily in the field of renewable energy.

As a core energy business entity of HD Hyundai, HD Hyundai Energy Solutions has strong pride in providing high-quality PV products to more than 3,000 customers worldwide.

Certification

UL US LISTED E325005 PHOTOVOLTAIC MODULE OVER 600 VOLTS ALSO CLASSIFIED IN ACCORDANCE WITH ECO1215 SERIES AND ECO1730-1+2

- UL 61215 / UL 61730 / IEC 61215 / IEC 61730 Certified
- ISO 9001 : Quality management systems
- ISO 14001 : Environmental management systems
- ISO 45001 : Occupational health and safety management systems

Electrical Characteristics (STC*)

HiS-CxxxMG						
Item	Unit	265	270	275	280	285
Nominal Output (Pmax)	W	265	270	275	280	285
Open Circuit Voltage (Voc)	V	37.98	38.08	38.18	38.28	38.38
Short Circuit Current (Isc)	A	8.95	9.05	9.15	9.25	9.35
Voltage at Pmax (Vmpp)	V	31.60	31.72	31.84	31.96	32.08
Current at Pmax (Impp)	A	8.40	8.52	8.64	8.77	8.89
Module Efficiency	%	16.2	16.5	16.8	17.1	17.4
Power Selection	W	0 ~ +5				
Temperature Coefficient of Pmax	%/K	-0.347				
Temperature Coefficient of Voc	%/K	-0.270				
Temperature Coefficient of Isc	%/K	0.037				

*STC : Irradiance 1,000 W/m², cell temperature 25℃, AM=1.5 / Test uncertainty for Pmax ±3%; Voc ±5%; Isc ±5%

NMOT**

Item	Unit	265	270	275	280	285
Nominal Output (Pmax)	W	198	201	205	209	212
Open Circuit Voltage (Voc)	V	35.48	35.57	35.66	35.76	35.85
Short Circuit Current (Isc)	A	7.21	7.29	7.37	7.45	7.54
Voltage at Pmax (Vmpp)	V	29.19	29.34	29.46	29.65	29.80
Current at Pmax (Impp)	A	6.79	6.87	6.96	7.05	7.13

Mechanical Characteristics

Dimensions	1,645 (L) x 983 (W) x 35mm (H)
Weight	18.7 kg
Solar Cells	Mono PERC, 110(5x22) monocrystalline 3-cut cells
Output Cables	Cable : (+)1,000mm, (-)1,000mm/ Customized length available Connector : Stäubli MC4 genuine Connector / Compatible, IP68
Junction Box	3-part, 3 bypass diodes, IP68 rated
Construction	Front : 3.2mm full-tempered solar glass with high transmittance, and antireflective coating Rear : Highly resistant and weatherproof film
Frame	Anodized aluminum alloy

Installation Safety Guide

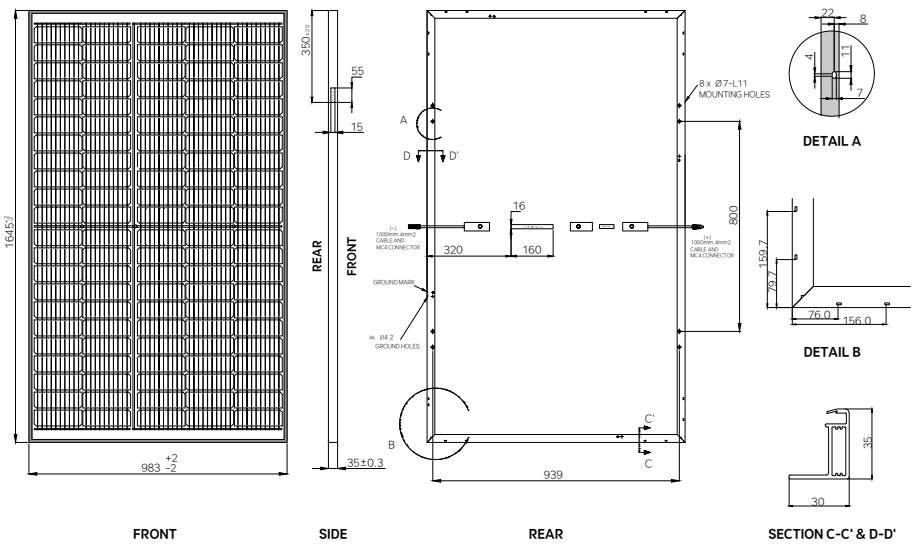
- Only qualified personnel should install or perform maintenance.
- Be aware of dangerous high DC voltage.
- Do not damage or scratch the rear surface of the module.
- Do not handle or install modules when they are wet.

Nominal Module Operation Temperature	45.5℃ ± 2℃
Operating Temperature	-40℃~+85℃
Maximum System Voltage	DC 1,000 V
Maximum Reverse Current	20A
Maximum Test Load	Front 5,400Pa Rear 2,400Pa
Fire Performance Type	1

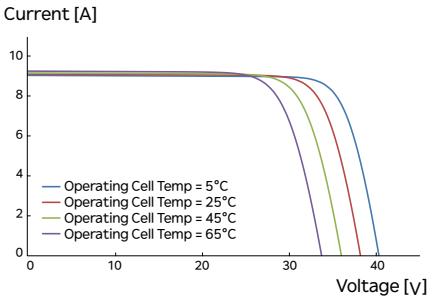
Shipping Configurations

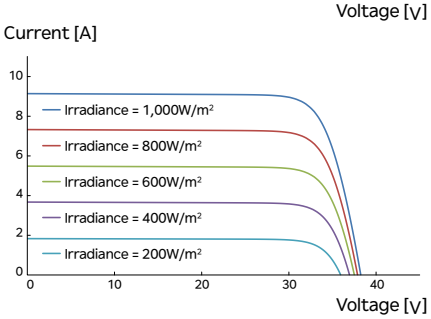
Container Size (HC)	40	Modules Per Pallet (pcs)	28
Pallets Per Container	28	Modules Per Container (pcs)	784

Module Diagram (unit : mm)



I-V Curves (HiS-C275MG)





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HD Hyundai Energy Solutions reserves the right to update or modify the specifications and features listed in this datasheet without prior notice. Always check the latest version of the datasheet for accurate information. Before using the product, please refer to the Installation and Operation Manual and Warranty. We retain the right of final interpretation.

HD HYUNDAI ENERGY SOLUTIONS