

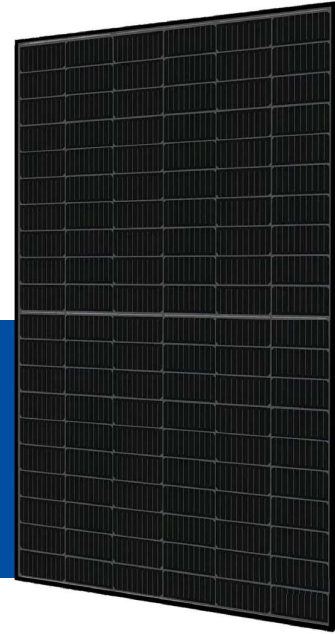
HYUNDAI SOLAR MODULE



XG SERIES

Monofacial PV Module

HiN-S360XG(BK) HiN-S365XG(BK) HiN-S370XG(BK)
 HiN-S375XG(BK) HiN-S380XG(BK)



120

Cells



More Power
Generation
In Low Light



UL 1,500V
Saves BOS Costs



All black Module
For Sleek Design



Half-Cut & Multi-Wire Technology

Improved current flow with half-cut technology and 9 thin wiring technology allows high module efficiency of up to 20.9%. It also reduces power generation loss due to micro-cracks.



Anti-LID / PID

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



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 center is an accredited test laboratory of both UL and VDE.



Reliable Warranty

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

Hyundai's Warranty Provisions



- 25-Year Product Warranty
- Materials and workmanship



- 25-Year Performance Warranty
- Initial year : 98.0%
- Linear warranty after second year: with 0.5%p annual degradation, 86% is guaranteed up to 25 years

About Hyundai Energy Solutions

Established in 1972, Hyundai Heavy Industries 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, Hyundai Heavy Industries 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 HHI, Hyundai Energy Solutions has strong pride in providing high-quality PV products to more than 3,000 customers worldwide.

Certification



UL61730 certified by UL, Safety Class II

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Electrical Characteristics

		Mono-Crystalline Type(HiN-S XG(BK))				
		360	365	370	375	380
Nominal Output (P _{mpp})	W	360	365	370	375	380
Open Circuit Voltage (V _{oc})	V	40.60	40.80	41.00	41.20	41.40
Short Circuit Current (I _{sc})	A	11.24	11.33	11.42	11.51	11.60
Voltage at P _{max} (V _{mpp})	V	33.80	34.00	34.20	34.40	34.60
Current at P _{max} (I _{mpp})	A	10.66	10.74	10.82	10.91	10.99
Module Efficiency	%	19.76	20.04	20.31	20.59	20.86
Cell Type	-	Mono crystalline, 9busbar				
Maximum System Voltage	V	1,500				
Temperature Coefficient of P _{max}	%/K	-0.36				
Temperature Coefficient of V _{oc}	%/K	-0.29				
Temperature Coefficient of I _{sc}	%/K	0.05				

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

Mechanical Characteristics

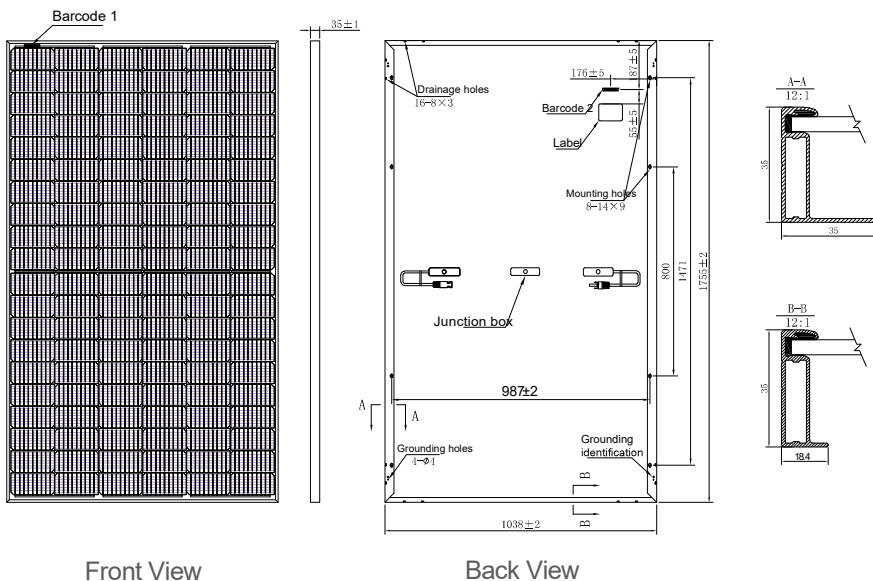
Dimensions	1,755mm (L) x 1,038mm (W) x 35mm (H)
Weight	Approx. 20.5kg
Solar Cells	120 half cut cells (2 parallel x 60 half cells in series)
Output Cables	Cable: 1,200mm / 4mm ² Connector: MC4 genuine connector(EV02)
Junction Box	IP68, 3 diodes
Bypass Diodes	3 bypass diodes to prevent power decrease by partial shade
Construction	Front : 3.2 mm, High Transmission, AR Coated Tempered Glass Encapsulant : EVA Back Sheet : Composite film
Frame	Black anodized aluminum alloy
Package Configuration	31modules / Box, 806modules / Container(40'HQ)

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	44°C ± 2°C
Operating Temperature	-40°C ~ +85°C
Maximum System Voltage	DC 1,500V
Maximum Reverse Current	20A
Maximum Test Load	Front 5,400Pa Rear 2,400Pa

Module Diagram (unit : mm)



I-V Curves (HiA-S360XG)

