

Mono
60cells
(310~325Watt)



Those who dream of a better future can help lead to a more meaningful and enriched world. As a leading solar module manufacturer in Korea, we never stop to achieve competitiveness through differentiation, implement the maximum value, and commit to sustainable development with customers.

Certificates

Quality
 ISO 9001:2015 ISO 14001:2015
 OHSAS 18001:2007 ISO/TS 16949:2009
 Bankability Tier1 PV module manufacturer

Product
 IEC 61215 / IEC 61730 : TUV / CE
 UL 1703 Fire Rating Type1
 UL 790 Fire Rating Class C
 Assembled in Korea

Key Features

12 years **Linear Performance Warranty**
 12 Years product warranty
 25 Years linear performance warranty

1,500V
 Designed for UL and IEC 1,500V
 Saving BoS costs

******* **Certified Durability**
 5,400 Pa snow load
 2,400 Pa wind load

Floating PV Installation
 Module backside blocks moisture permeability

Optional Features

Perfect Black
 Black anodized frame
 Black back sheet
 Black string ribbon

Mono- Crystalline Solar Module (UB-AH2)

60cells (310~325 Watt)

Electrical Data / STC (UB-AH2) : Irradiance of 1000W/m², spectrum AM 1.5 and cell temperature of 25°C

Module Description	Model Name	HS310UB-AH2	HS315UB-AH2	HS320UB-AH2	HS325UB-AH2
Nominal Max Power	Pmax(Wp)	310	315	320	325
Voltage at Pmax	Vmp(V)	33.3	33.7	34.1	34.5
Current at Pmax	Imp(A)	9.31	9.35	9.39	9.43
Open Circuit Voltage	Voc(V) ±3%	41.1	41.5	41.9	42.3
Short Circuit Current	Isc(A) ±3%	9.82	9.86	9.90	9.94
Module Efficiency	%	18.56%	18.86%	19.16%	19.46%
Operating Temperature		-40°C ~ +85°C			
Max. System Voltage		1500 Vdc			
Max. Series Fuse Rating		20A			
Max. Reverse Current		20A			
Power tolerance		0 ~ +4.99W			

Electrical Data / NOCT (UB-AH2) : Irradiance of 800W/m², spectrum AM 1.5 and Ambient Temperature 20°C, wind speed 1m/s

Module Description	Model Name	HS310UB-AH2	HS315UB-AH2	HS320UB-AH2	HS325UB-AH2
Nominal Max Power	Pmax(Wp)	230.9	234.6	238.8	242.2
Voltage at Pmax	Vmp(V)	31.1	31.5	31.9	32.2
Current at Pmax	Imp(A)	7.42	7.46	7.49	7.53
Open Circuit Voltage	Voc(V)	38.3	38.6	39	39.3
Short Circuit Current	Isc(A)	7.93	7.97	8.00	8.03

Mechanical Data

Cell Type	Mono-crystalline
Cell Arrangement	60 (6 x 10)
Dimensions	1670x1000x35mm / (65.75x39.37x1.38in)
Weight	18.9kg(41.7 lbs)
Stand. Packaging	29pcs (Vertical)
Module Pieces per Container	754pcs
Pallets per Container	26
Frame	Anodized aluminum
Front Glass	3.2mm Tempered glass
J-Box	IP68, 3 diodes
Output Cable	(+)-1000mm(39.37in), (-)-1000mm(39.37in), 12AWG
Connectors	QC4.10-35
Module Fire Performance	Type 1 / Class C

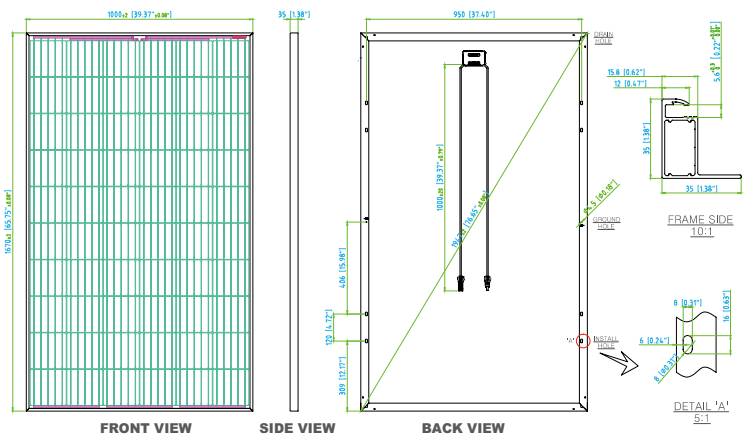
Warranties

Product	12 years
Performance	25 years linear power warranty (>82.2%)

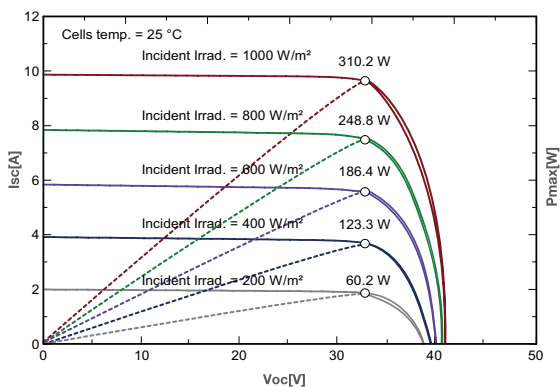
Temperature Characteristics

Specifications	Data
Temperature coefficient (Pmax)	-0.36
Temperature coefficient (Voc)	-0.27
Temperature coefficient (Isc)	0.05
Normal Operating Cell Temperature	44.6 ± 2°C

MODULE DIAGRAM unit : mm (inch)



I-V Curve according to Irradiance



140, Gwahaksanup 1-ro, Oksan-myeon, Heungdeok-gu,
Cheongju-si, Chungcheongbuk-do 28122, Korea
Tel : +82-43-219-3462, US Office : +1-213-793-3688, Fax : +82-43-219-3410
E-mail : solar@hansol.com
http://solar.hansoltechnics.com



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