

Mono
72cells
(370~395Watt)



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
 IEC 61701 Salt Mist Corrosion Level 6
 UL 1703 Fire Rating Type1

Key Features



Linear Performance Warranty

12 Years product warranty
 25 Years linear performance warranty



Certified Durability

5,400 Pa snow load
 2,400 Pa wind load



1,500V

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



PID Free

Anti-PID Cell
 Anti-PID encapsulation technology

Optional Features



Perfect Black

Black anodized frame
 Black back sheet
 Black string ribbon



Floating PV Installation

Module backside blocks moisture permeability

Mono - Crystalline Solar Module (UD-AH2)

72 cells (370~395 Watt)

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

		370	375	380	385	390	395
Nominal Max Power	P _{max} (Wp)	370	375	380	385	390	395
Voltage at P _{max}	V _{mp} (V)	38.9	39.3	39.7	40.1	40.5	40.9
Current at P _{max}	I _{mp} (A)	9.52	9.55	9.58	9.61	9.64	9.67
Open Circuit Voltage	V _{oc} (V)	47.5	47.9	48.3	48.7	49.1	49.5
Short Circuit Current	I _{sc} (A)	10.15	10.18	10.21	10.24	10.27	10.30
Module Efficiency	%	18.50%	18.75%	19.00%	19.25%	19.50%	19.75%
Operating Temperature		-40 °C ~ +85 °C					
Max. System Voltage		1500Vdc					
Max. Series Fuse Rating		20A					
Max. Reverse Current		20A					
Power tolerance		-0 ~ +5W					

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

		275.7	279.4	283.2	286.9	290.6	294.2
Nominal Max Power	P _{max} (Wp)	275.7	279.4	283.2	286.9	290.6	294.2
Voltage at P _{max}	V _{mp} (V)	36.0	36.4	36.7	37.0	37.4	37.7
Current at P _{max}	I _{mp} (A)	7.66	7.69	7.72	7.74	7.77	7.80
Open Circuit Voltage	V _{oc} (V)	44.2	44.6	45.0	45.3	45.7	46.0
Short Circuit Current	I _{sc} (A)	8.20	8.23	8.25	8.27	8.30	8.32

Mechanical Data

Cell Type	Mono-crystalline
Cell Arrangement	72 (6 x 12)
Dimensions	2000 x 1000 x 40mm (78.74 x 39.37 x 1.57in)
Weight	23kg(50.7 lbs)
Stand. Packaging	26pcs (Vertical)
Module Pieces per Container	572 pcs
Pallets per Container	22
Frame	Anodized aluminum
Front glass	3.2mm(0.13in) tempered glass
J-Box	IP68, 3 diodes
Output cable	(+)1200mm(47.24in), (-)1200mm(47.24in), 12AWG
Connectors	MC4 compatible
Module Fire Performance	Type 1 / Class C

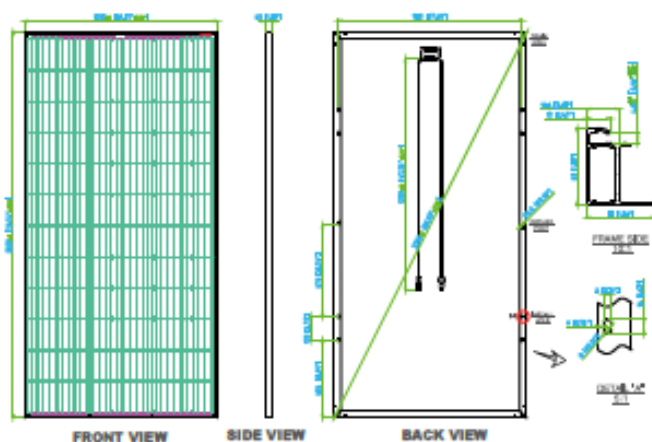
Warranties

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

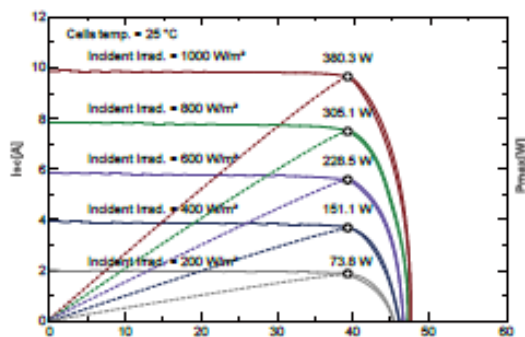
Temperature Characteristics

Specifications	Data
Temperature coefficient (P _{max})	-0.36
Temperature coefficient (V _{oc})	-0.27
Temperature coefficient (I _{sc})	0.05
Normal Operating Cell Temperature	44.6±2 °C

MODULE DIAGRAM unit : mm (Inch)



I-V Curve according to Irradiance



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