

Mono 72 cells (310~330Watt)

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.

Key Features

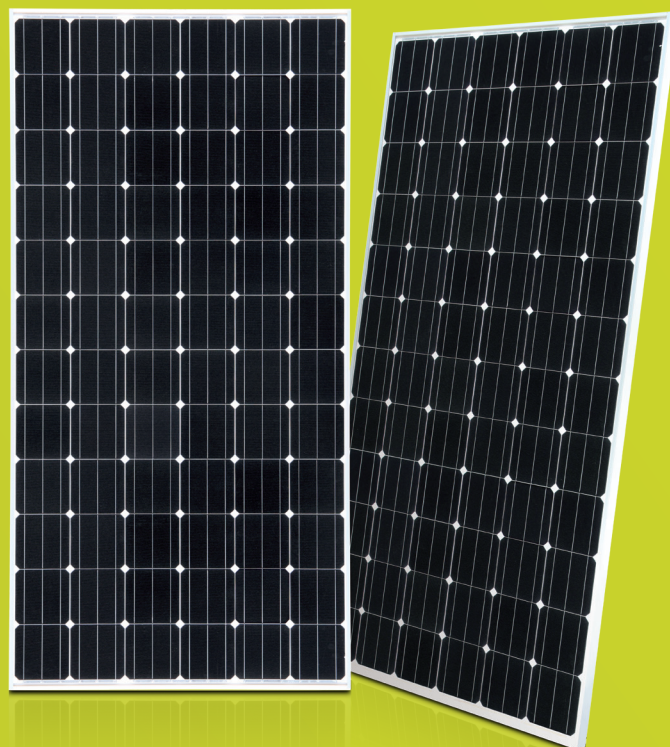
- 25 years** **Linear Performance Warranty**
10 Years product warranty
25 Years linear power warranty
- ***** **Certified Durability**
5,400Pa
5400 Pa snow load
2400 Pa wind load
- 1000V** **1000V**
Designed for UL 1000V and IEC 1000V

Optional Features

- PID FREE** **PID Free**
Anti-PID Cell
Anti-PID encapsulation technology
- ~~~~~** **Floating PV Installation**
Module backside blocks moisture permeability
- ↑** **Power Optimization**
Increase the energy output of each individual panel in a system to enhance O&M, shade and age tolerance
- Black** **Railless Black Frame**
Sleek and aesthetic appearance

Product Certificates

IEC 61215 / IEC 61730 : TUV / VDE / CE
IEC 61701 Salt Mist Corrosion Level 6
UL 1703 Fire Rating Type 1 and Type 2



Mono - Crystalline Solar Module (SE-V01)

72 cells (310~330Watt)

Electrical Data / STC (SE-V01) : Irradiance of 1000W/°C, spectrum AM 1.5 and cell temperature of 25°C						
Nominal Max Power	Pmax (Wp)	310	315	320	325	330
Voltage at Pmax	Vmp (v)	37.4	37.5	37.6	37.7	37.8
Current at Pmax	Imp (A)	8.3	8.41	8.52	8.63	8.74
Open Circuit Voltage	Voc (v)	46	46.1	46.2	46.3	46.4
Short Circuit Current	Isc (A)	8.88	8.99	9.1	9.21	9.32
Module Efficiency	%	15.94%	16.47%	16.73%	16.99%	17.25%
Operating Temperature	-40°C ~ +85°C					
Max. System Voltage	UL & IEC 1000 Vdc					
Max. Service Fuse Rating	15A					
Max. Reverse Current	15A					
Power tolerance	0 ~ +4.99W					

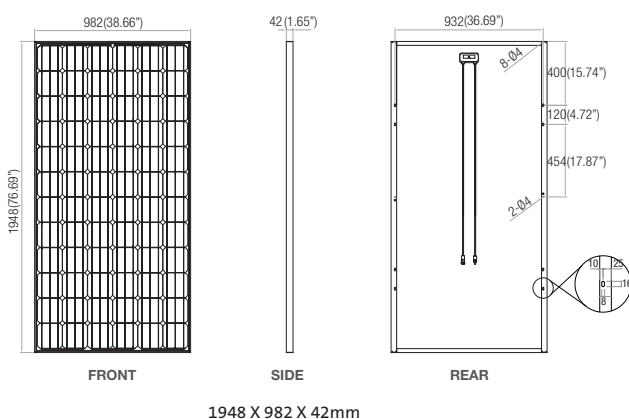
Electrical Data / NOCT (SE-V01) : Irradiance of 800W/°C, spectrum AM 1.5 and ambient temperature of 20°C, wind speed 1m/s						
Nominal Max Power	Pmax (Wp)	225.7	229.4	233.1	236.9	240.7
Voltage at Pmax	Vmp (v)	33.8	33.9	34.0	34.1	34.2
Current at Pmax	Imp (A)	6.68	6.77	6.86	6.95	7.03
Open Circuit Voltage	Voc (v)	41.9	42.0	42.1	42.2	42.3
Short Circuit Current	Isc (A)	7.18	7.27	7.36	7.45	7.54

Mechanical Data	
Cell Type	Mono-crystalline, 6 inch
Cell Arrangement	72 (6 x 12)
Dimensions	1948 x 982 x 42mm (76.69 x 38.66 x 1.65 in)
Weight	22.3kg (49.16 lbs)
Frame	Anodized aluminum
Front glass	3.2mm Tempered glass
J-Box	IP68, 3 diodes
Output cable	(+)1200mm, (-)1200mm, 12 AWG
Connectors	MC4 compatible
Module Fire Performance	Class C, Type 1 & Type 2
Stand. Packaging	23 pcs (vertical)
Module Pieces per Container	506 pcs (40' HQ)

Warranties	
Product	10 years
Performance	10 years performance warranty (>90%)
	25 years linear power warranty (>80%)

Temperature Characteristics	
Specifications	Data
Temperature coefficient (Pmax)	-0.451
Temperature coefficient (Voc)	-0.328
Temperature coefficient (Isc)	0.048
Normal Operating Cell Temperature	46.0 ± 2°C

MODULE DIAGRAM unit : mm (inch)



I-V Curve according to Irradiance

