

Mono-crystalline Solar Module

72 cells (305~330Watt)

Positive Tolerance

Strict quality control guarantee higher average power output according to positive tolerance -0/+4.99wp.

Product Warranty

Pursuant to warranty, product quality ensure 10 years

Efficiency

Using single-crystal cell, the relative efficiency of a small module generated Peak efficiency.

Sorting

All modules of Hansol Technics are sorted by output power.

Optimized Strength

Minimum Standard for wind 2400Pa and snow load to 5400Pa meet customer's needs for durability on high mountain, sea shore, path between tall building.

Customized Service

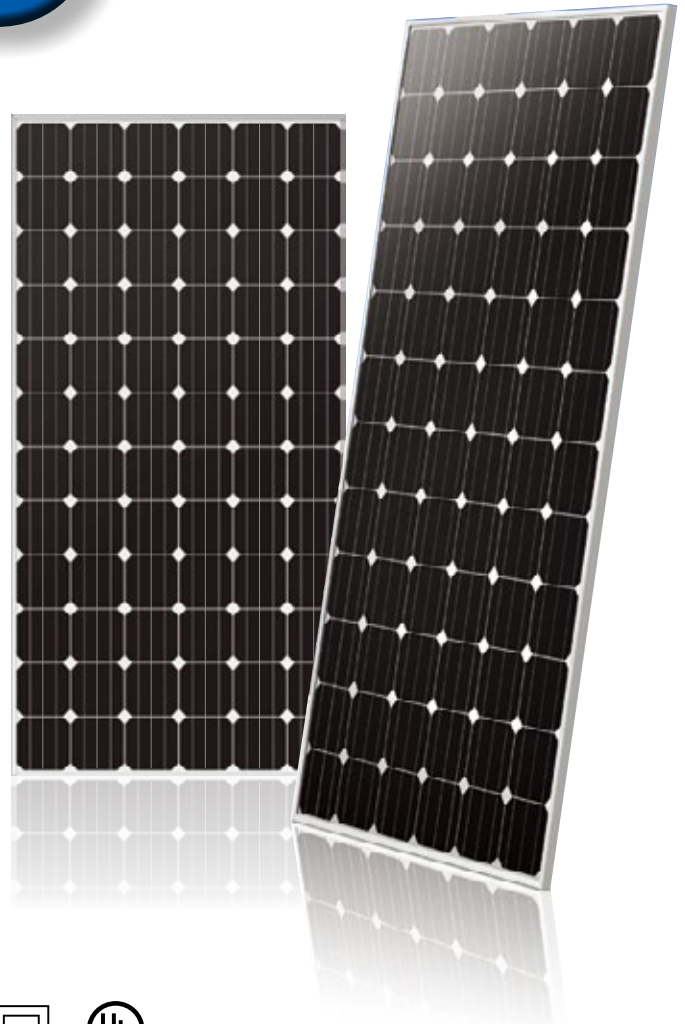
Appropriate action the needs of customers, OEM, A/S, System engineering support.

0~
+4.99wp

10 years

17.77%

5,400Pa



Value Creation is our Goal

Hansol is leading the way to as a developer of more lasting values, delivering a sense of warmth to all sectors of society, making the earth healthier, and becoming a company loved and trusted by all customers. Hansol, a company that creates the world's top value through challenge and creation.

This is the future of HANSOL.



HS SE-V01

		HS300SE-V01	HS305SE-V01	HS310SE-V01	HS315SE-V01	HS320SE-V01	HS325SE-V01	HS330SE-V01	HS335SE-V01	HS340SE-V01
Maximum power	Pmax (Wp)	300	305	310	315	320	325	330	335	340
Maximum power voltage	Vmp (v)	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	38
Maximum power current	Imp (A)	8.07	8.18	8.3	8.41	8.52	8.63	8.74	8.85	8.95
Open circuit voltage	Voc (V)	45.80	45.90	46.00	46.10	46.20	46.30	46.40	46.50	46.60
Short circuit current	Isc (A)	8.65	8.76	8.88	8.99	9.1	9.21	9.32	9.43	9.53
Cell type / No. of cell		156 X 156mm[6X6 inch] / 72 cells [6X12 matrix]								
Module efficiency(%)		15.68%	15.94%	16.21%	16.47%	16.73%	16.99%	17.25%	17.51%	17.77%
NOCT	°C	46.0 ± 2°C								
Temperature Coefficients	Pmax [%/°C]	-0.57								
	Voc [%/°C]	-0.43								
	Isc [%/°C]	0.07								
	Pmax [W/°C]	-1.710	-1.739	-1.767	-1.796	-1.824	-1.853	-1.881	-1.910	-1.938
	Voc [V/°C]	-0.197	-0.197	-0.198	-0.198	-0.199	-0.199	-0.200	-0.200	-0.200
	Isc [A/°C]	0.006	0.006	0.006	0.006	0.006	0.006	0.007	0.007	0.007

- Performance at standard test conditions(STC) : Irradiance 1000W/m², AM1.5, and cell temperature 25°C
- The rated power may vary by 0Wp/+4.99 Wp and all other electrical parameters by ±3%

Physical Characteristics

Module dimensions	1948 X 982 X 42mm
	76.69 X 38.66 X 1.65 inch
Module Weight	22.30kg (49.16 lb)
Junction box	IP67 with bypass diode
Frame	Anodized aluminum
Front glass	3.2mm Tempered glass
Output cable	(+)1200mm, (-)1200mm, 12 AWG

System Intergration Parameters

Maximum System Voltage	1000 VDC (TUV, UL)
Maximum series Fuse rating	15A
Maximum reverse current	15A

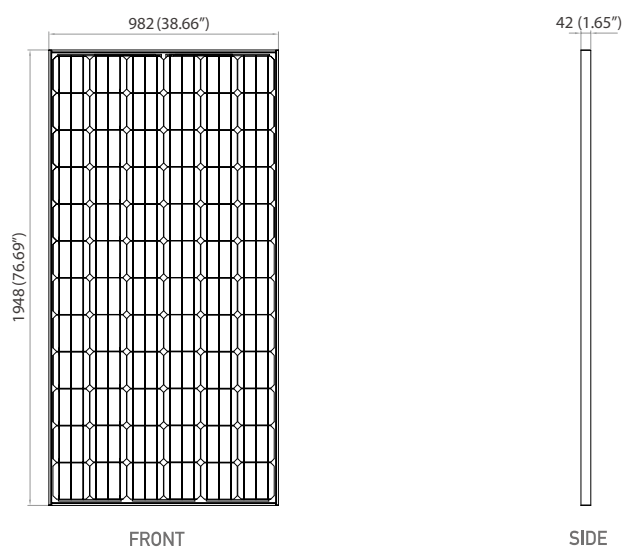
Safety ratings & Warranties

Fire Safety Classification	Class C, Type1
Certifications	IEC 61215, IEC 61730, UL1703
Product	10 years
Performance	10 years output power warranty(>90%)
	25 years output power warranty(>80%)

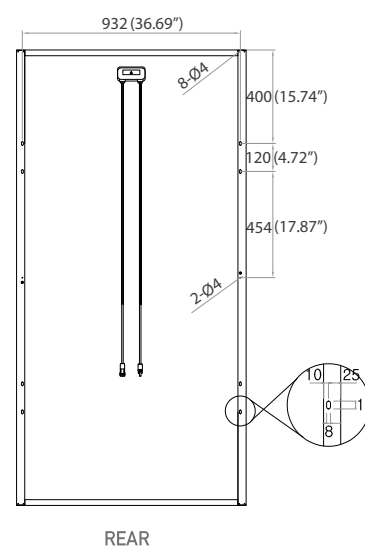
Qualification Test

Temp cycling range	- 40 °C ~ 85 °C (- 40 °F ~ 185 °F)
Damp heat test	85 °C (185 °F) & 85% relative humidity for 1000 hr
Maximum Load	5400 Pa
Hailstone impact test	25mm hail at 23m/s

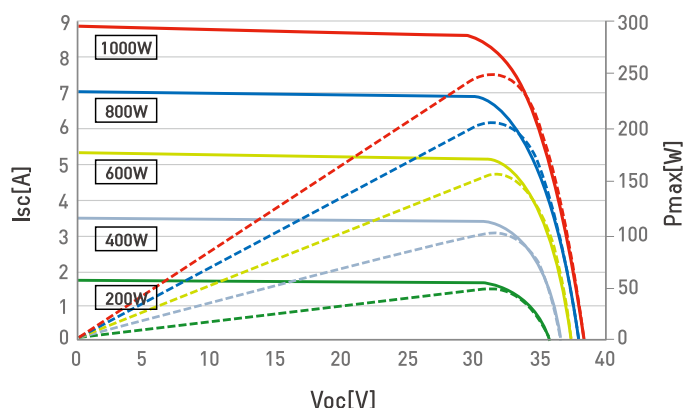
MODULE DIAGRAM unit : mm (inch)



Size A : 1948X 982 X 42 mm



I-V Curve according to Irradiance



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