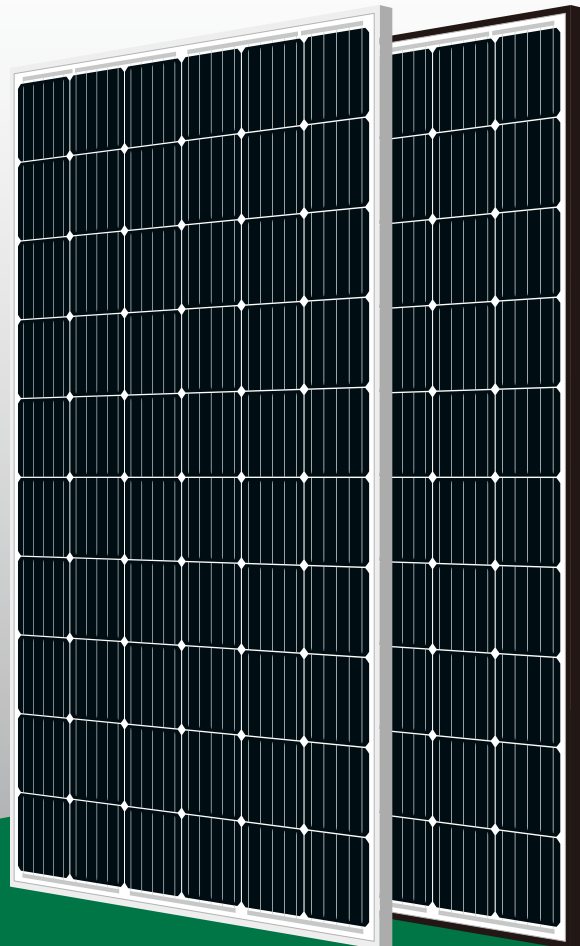


SP320M6-60 SERIES

Mono-crystalline 60Cells 305W-320W



10

10-year product workmanship warranty

10

10-year guarantee for 90% rated power

25

25-year guarantee for 80% rated power



Excellent power generation performance

Guaranteed 0~+5W positive rated power tolerance ensures more power generation every day



Long weather resistance

Excellent anti-PID(Potential Induced Degradation) Certified in fireproofing for safety



Stable mechanical performance

Passed rigorous hail test
Withstands 5400Pa snow and 2400Pa wind loads



Lower temperature coefficient

Improved temperature coefficient decreases power loss in the high temperature application.



Low-light Performance

Advanced glass and solar cell surface texturing allow for excellent performance in low-light environments.



Superior quality control

ISO 9001:2015 Quality Management System
100% EL and appearance inspection

MONOCRYSTALLINE 60 CELLS SOLAR MODULE 305W-320W

ELECTRICAL DATA(STC)

Module	SP305M6-60	SP310M6-60	SP315M6-60	SP320M6-60
Peak Power Watts(Pmax/W)	305	310	315	320
Power Output Tolerance(W)	0 ~ +5			
Maximum Power Voltage(Vmp/V)	32.4	32.6	32.9	33.3
Maximum Power Current(Imp/A)	9.42	9.51	9.58	9.61
Open Circuit Voltage(Voc/V)	39.9	40.1	40.5	41.0
Short Circuit Current(Isc/A)	9.94	10.04	10.12	10.15
Module efficiency(%)	18.6	18.9	19.2	19.5

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5.

*Measuring tolerance: ±3%.

ELECTRICAL DATA(NOCT)

Maximum Power(Pmax/W)	223	227	231	234
Maximum Power Voltage(Vmp)	29.7	29.9	30.1	30.5
Maximum Power Current(Imp)	7.50	7.57	7.63	7.65
Open Circuit Voltage(Voc)	36.9	37.1	37.4	37.9
Short Circuit Current(Isc)	8.05	8.13	8.19	8.22

NOCT: Irradiance 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

MECHANICAL DATA

Solar Cells	Monocrystalline 156.75 × 156.75 mm (6 inches)
Cell Orientation	60 cells (6 × 10)
Module Dimensions	1650 × 992 × 35 mm (65.0 × 39.1 × 1.38 inches)
Weight	18.6 kg (41.0 lb)
Glass	3.2 mm (0.13 inches), High Transmission, AR Coated Tempered Glass
Backsheet	White
Frame	Silver / Black Anodized Aluminium Alloy
Junction Box	IP 67 or IP 68 rated
Cables	4.0mm ² 1000 mm (39.4 inches)
Connector	MC4

TEMPERATURE RATINGS

NOCT (Nominal Operating Cell Temperature)	44°C (±2°C)
Temperature Coefficient of Pmax	- 0.40%/°C
Temperature Coefficient of Voc	- 0.31%/°C
Temperature Coefficient of Isc	+0.06%/°C

MAXIMUM RATINGS

Operational Temperature	-40 ~ +85°C
Maximum System Voltage	1000V DC (IEC) 1000V DC (UL)
Max Series Fuse Rating	20A

WARRANTY

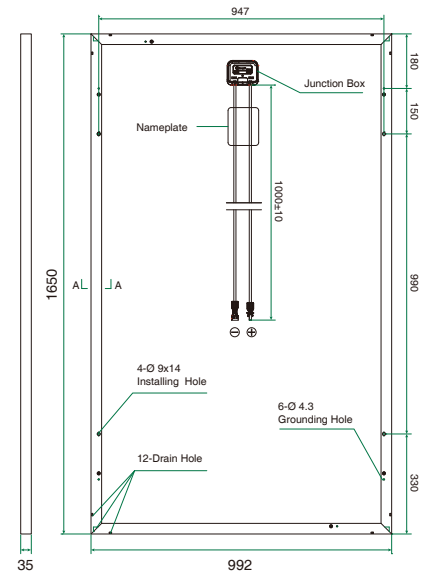
10 year Product Workmanship Warranty
25 year Linear Power Warranty

(Please refer to product warranty for details)

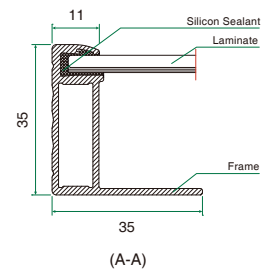
PACKAGING CONFIGURATION

Modules per box: 30 pieces
Modules per 40' container: 840 pieces

DIMENSIONS OF PV MODULE(mm)

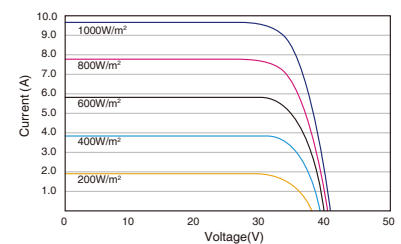


Back View



(A-A)

I-V CURVES OF PV MODULE(305W)



P-V CURVES OF PV MODULE(305W)

