ASUN

60CELL

MONOCRYSTALLINE MODULE

ASUN320-360 60MHC

320-360W

POWER OUTPUT RANGE

0~+5W

POSITIVE POWER T

ASUN persist Long-lasting and stable quality

- Advanced production equipment,International first-class production technology,Achieved high module conversion efficiency21.3%
- Excellent performance for resist wind pression and snow load,full module passed wind pression and snow load,full module passed wind pression (2400Pa)and snow load (5400Pa)test
- Excellent weak light performance
- Passing the certification test of photovoltaic standards
- Certified by international quality management and environmental management system ISO9001, OHSAS18001,ISO14001
- Application grade:A grade,Safe class:II, Fireproofing grade:C

Comprehensive Products And System Certificates

IEC61215/IEC61730/UL1703

ISO 9001:Quality Management System

ISO 14001:Enviromental Management System

OHSAS 18001:Occupation Health and Safety Management System

GB/T 23001-2017:Management system with Integration of Information Technology and Industrialization

High power output

* Reduce BOS cost with higher power bin and 1500V system voltage

Half-cell design brings higher eciency

* New cell string layout and split J-box location to reduce the energy loss caused by shading between modules
* Low thermal coecients for greater energy production at high operating temperature
* Low cell connection power loss due to half-cell layout (120 monocrystalline)

Highly reliable due to stringent quality control

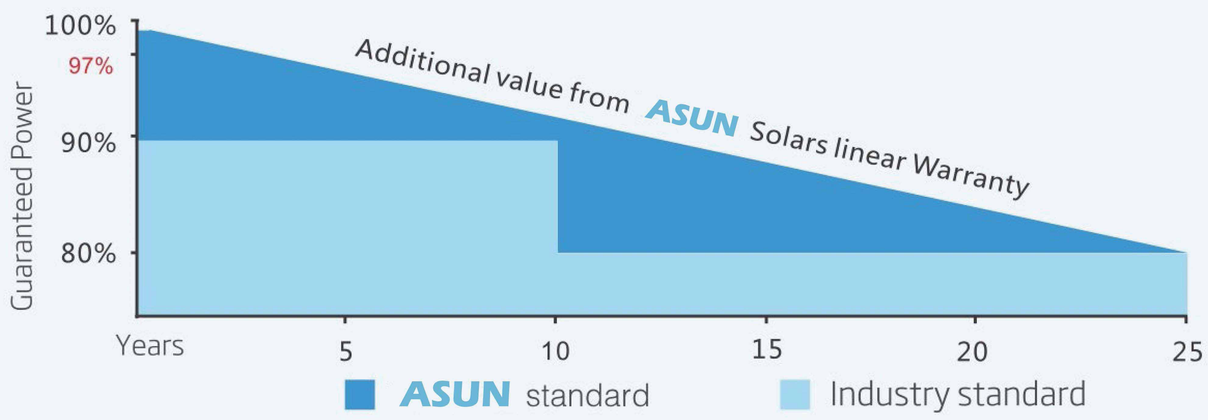
* In-house testing goes well beyond certification requirements (UV, TC, HF, and many more)

Certified to withstand the most challenging environmental conditions

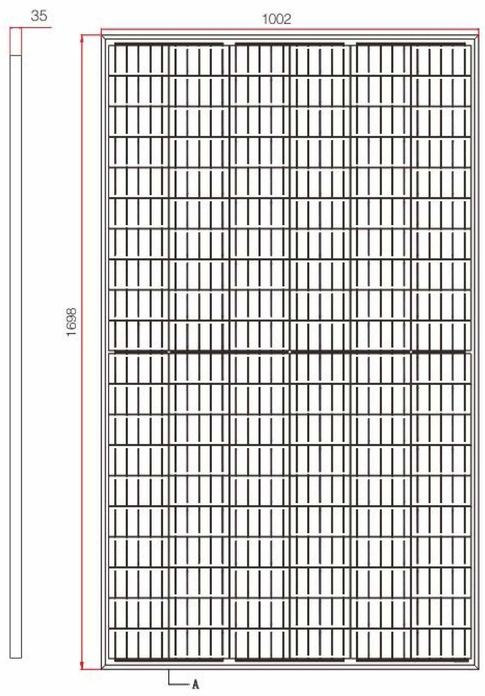
* **2400** Pa wind load
* **5400** Pa snow load

LINEAR PERFORMANCE WARRANTY

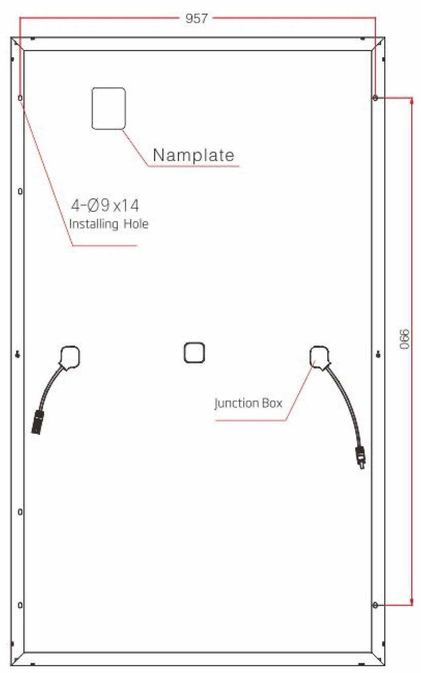
* 10Year Product Warranty
* 25Year Linear Power Warranty



DIMENSIONS OF PV MODULE(mm)



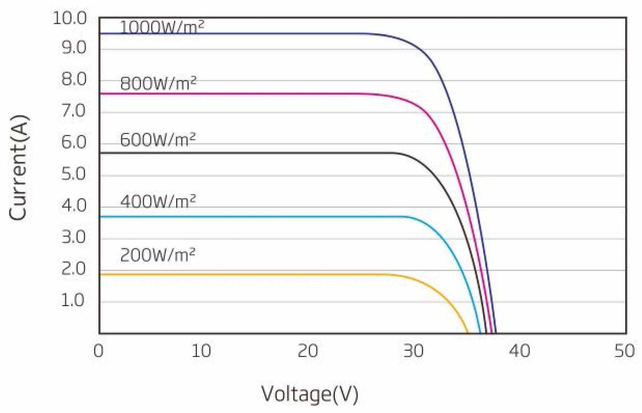
Front View



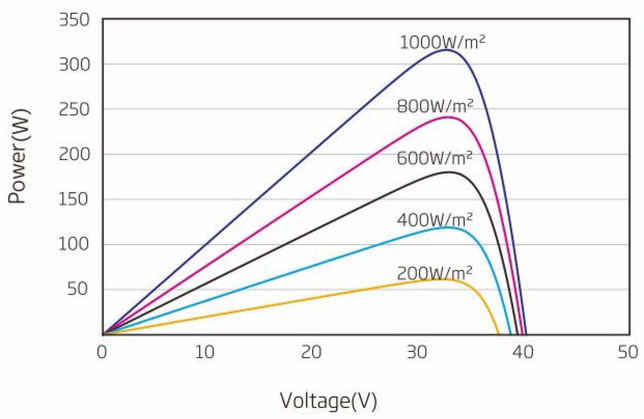
Back View

A-A

I-V CURVES OF PV MODULE (330w)



P-V CURVES OF PV MODULE (330w)



ELECTRICAL DATA (STC)

Peak Power Watts-P^{MAX} (Wp)	320	325	330	335	340	345	350	355	360
Power Output Tolerance-P_{MAX} (W)			0 ~ +5						
Maximum Power Voltage-V_{MPP} (V)	33.4	33.6	33.8	34.0	34.2	34.4	34.6	34.8	35.0
Maximum Power Current-I_{MPP} (A)	9.59	9.68	9.77	9.87	9.96	10.04	10.13	10.23	10.32
Open Circuit Voltage-V_{OC} (V)	40.9	41.1	41.3	41.5	41.7	41.9	42.1	42.3	42.5
Short Circuit Current-I_{SC} (A)	10.08	10.20	10.31	10.36	10.55	10.64	10.75	10.86	10.97
Module Efficiency η_m (%)	19.0	19.3	19.6	19.9	20.2	20.4	20.7	21.0	21.3

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5.
*Measuring tolerance: ±3%.

ELECTRICAL DATA (NOCT)

Maximum Power-P_{MAX} (Wp)	238	242	246	250	253	257	261	265	269
Maximum Power Voltage-V_{MPP} (V)	31.4	31.6	31.8	32.0	32.2	32.4	32.6	32.8	33.0
Maximum Power Current-I_{MPP} (A)	7.58	7.66	7.74	7.82	7.86	7.93	8.01	8.08	8.15
Open Circuit Voltage-V_{OC} (V)	37.8	38.0	38.2	38.4	38.6	38.8	39.0	39.2	39.4
Short Circuit Current-I_{SC} (A)	8.44	8.54	8.65	8.74	8.86	8.96	9.07	9.16	9.27

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

MECHANICAL DATA

Solar Cells	Monocrystalline(158.75 × 158.75mm)
Cell Orientation	120 cells (6 × 10)
Module Dimensions	1698 × 1002 × 35 mm(66.85 × 39.45 × 1.38 inches)
Weight	19.0kg (41.9lb)
Glass	3.2mm (0.13 inches), High Transmission, AR Coated Heat Strengthened Glass
Encapsulant Material	EVA
Backsheet	White
Frame	35 mm (1.38 inches) Anodized Aluminium Alloy
J–Box	IP 68 rated
Cables	Photovoltaic Technology Cable 4.0mm (0.006 inches), Portrait: N 140mm/P 285mm(5.51/11.22inches) Landscape: N 1200 mm /P 1200 mm (47.24/47.24 inches)
Connector	PV–XT101.1 (Suzhou Xtong)

NOCT(Nominal Operating Cell Temperature)	45℃ (± 2℃)
Temperature Coefficient of P_{MAX}	– 0.36%/℃
Temperature Coefficient of V_{OC}	– 0.28%/℃
Temperature Coefficient of I_{SC}	0.05%/℃

Operational Temperature	–40~+85℃
Maximum System Voltage	1000V DC (IEC)
Max Series Fuse Rating	20A

(DO NOT connect Fuse in Combiner Box with two or more strings in parallel connection)

WARRANTY

10 year Product Workmanship Warranty

25 year Linear Power Warranty

PACKAGING CONFIGURATION

Modules per box: 30 pieces

Modules per 40' container: 780 pieces

SUNERGY (HONGKONG) TRADING CO.,LIMITED

MADE IN CHINA