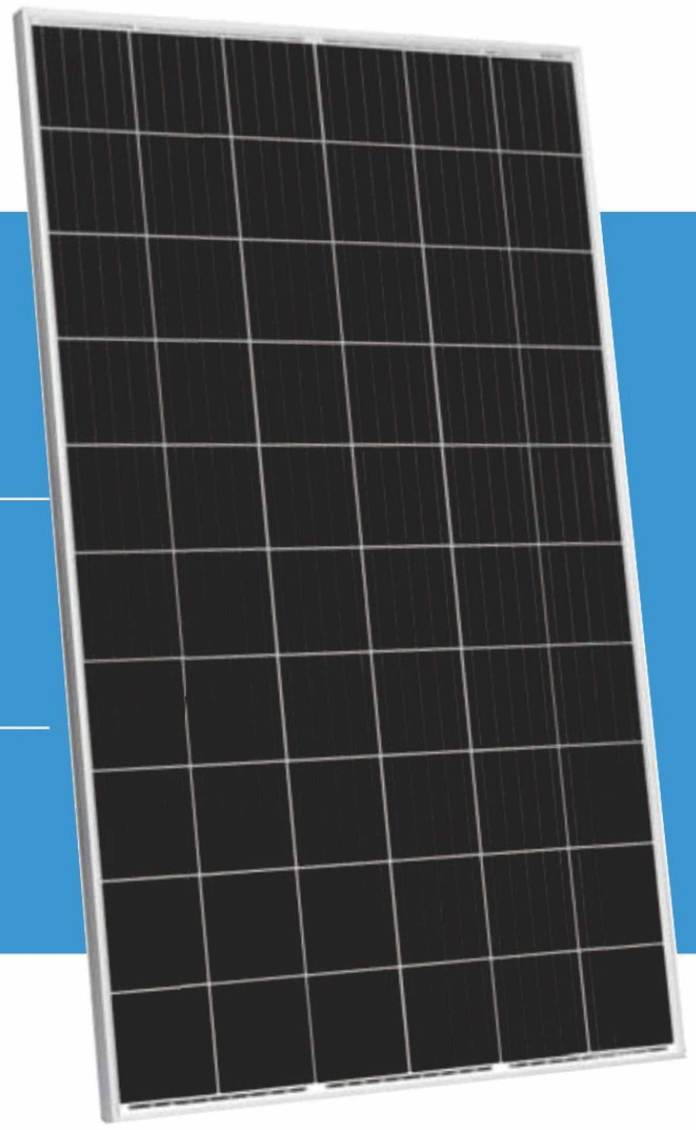
ASUN



60CELL

MONOCRYSTALLINE MODULE

ASUN 310-335 60M

310-335W
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 efficiency20.0%
- 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

Excellent low light performance on cloudy days mornings and evenings

* Advanced surface texturing
* Back surface field
* Selective emitter

Maximize limited space with top-end efficiency

* Up to **200** W/m² power density
* Low thermal coefficients for greater energy production at high operating temperatures

Highly reliable due to stringent quality control

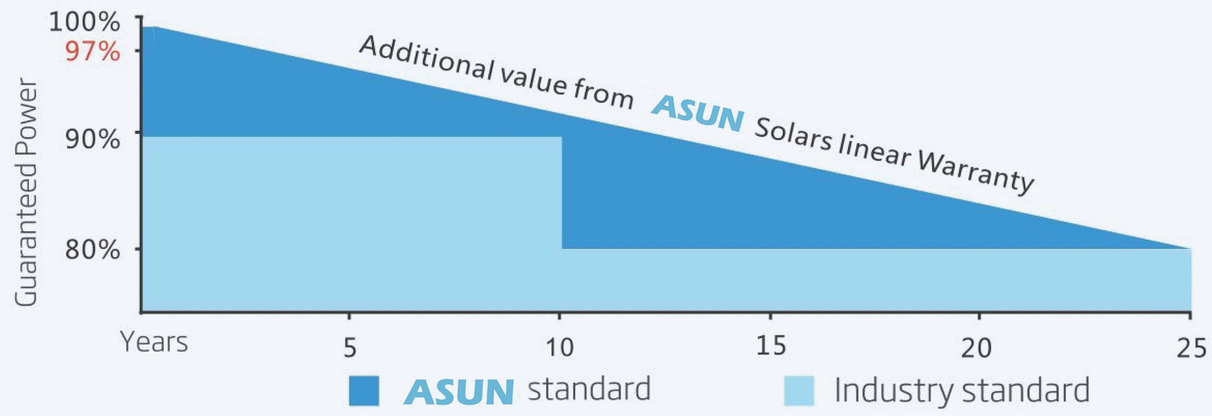
* In-house testing goes well beyond certification requirements (UV, TC, HF, and many more)

Certified to withstand the most challenging environmental conditions

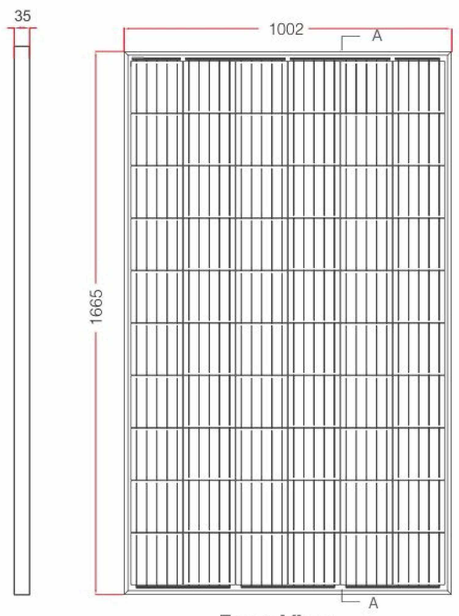
* **2400** Pa wind load
* **5400** Pa snow load

LINEAR PERFORMANCE WARRANTY

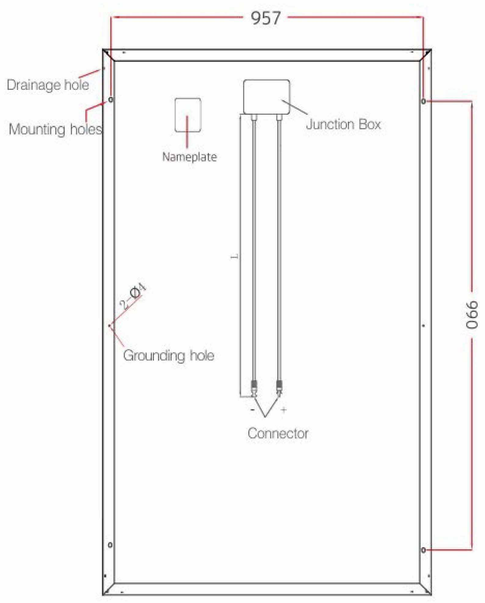
* 10Year Product Warranty
* 25Year Linear Power Warranty



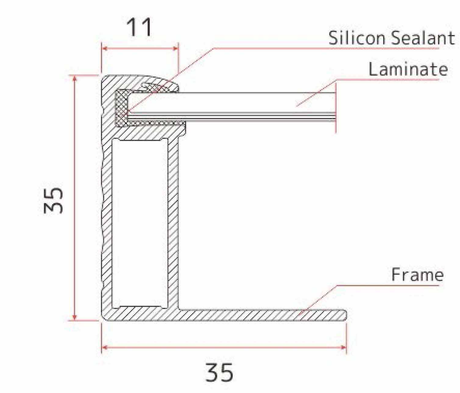
DIMENSIONS OF PV MODULE(mm)



Front View

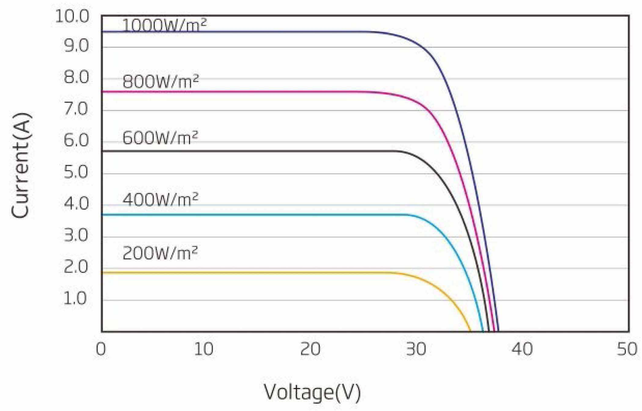


Back View

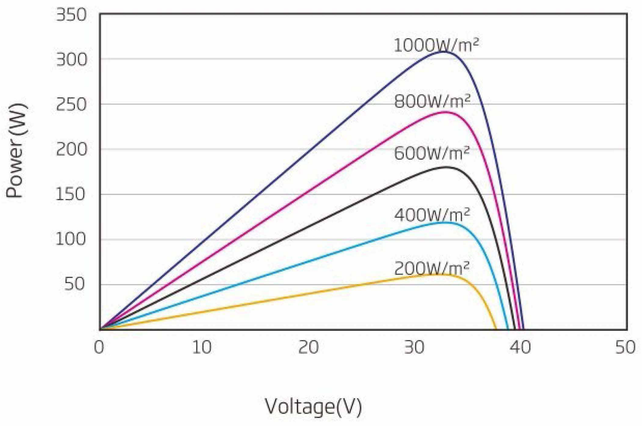


(A-A)

I-V CURVES OF PV MODULE (325w)



P-V CURVES OF PV MODULE (325w)



ELECTRICAL DATA (STC)

Peak Power Watts-P_{MAX} (Wp)	310	315	320	325	330	335
Power Output Tolerance-P_{MAX} (W)	0 ~ +5					
Maximum Power Voltage-V_{MPP} (V)	33.0	33.2	33.4	33.6	33.8	34.0
Maximum Power Current-I_{MPP} (A)	9.40	9.49	9.59	9.68	9.77	9.87
Open Circuit Voltage-V_{OC} (V)	40.5	40.7	40.9	41.1	41.3	41.5
Short Circuit Current-I_{SC} (A)	9.98	10.04	10.15	10.20	10.31	10.36
Module Efficiency η_m (%)	18.6	18.9	19.2	19.5	19.8	20.0

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

ELECTRICAL DATA (NOCT)

Maximum Power-P_{MAX} (Wp)	231	235	239	242	246	250
Maximum Power Voltage-V_{MPP} (V)	31.0	31.2	31.4	31.6	31.8	32.0
Maximum Power Current-I_{MPP} (A)	7.49	7.56	7.62	7.66	7.74	7.82
Open Circuit Voltage-V_{OC} (V)	37.4	37.6	37.8	38.0	38.2	38.4
Short Circuit Current-I_{SC} (A)	8.22	8.33	8.44	8.54	8.65	8.74

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

MECHANICAL DATA

Solar Cells	Monocrystalline(158.75X158.75mm PERC)
Cell Orientation	60cells(6X10)
Module Dimensions	1665x1002x35mm(65.55× 39.45 × 1.38 inches)
Weight	18.5kg(40.78lb)
Glass	3.2 mm (0.13 inches), High Transmission, AR Coated Tempered Glass
Backsheet	White [DD05A(II), DD05A.08(II)]; Black [DD05A.05(II)]
Frame	35 mm (1.38 inches) Anodized Aluminium Alloy
J-Box	IP 67 or IP 68 rated
Cables	Photovoltaic Technology Cable 4.0mm² (0.006 inches²), 1000 mm (39.4 inches)
Connector	PV–XT101.1 (Suzhou Xtong)

TEMPERATURE RATINGS

NOCT(Nominal Operating Cell Temperature)	45℃ (± 2℃)
Temperature Coefficient of P_{MAX}	– 0.37%/℃
Temperature Coefficient of V_{OC}	– 0.28%/℃
Temperature Coefficient of I_{SC}	0.048%/℃

MAXIMUM RATINGS

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: 840 pieces

SUNERGY (HONGKONG) TRADING CO.,LIMITED

MADE IN CHINA