

# Monofacial

# G1 SERIES

## Monocrystalline Silicon PV Modules 315-335 Watt



Positive Tolerance 0~+5W



Enhanced Product Warranty  
on Materials and Workmanship



Linear Power Performance Warranty

## KEY FEATURES



### MULTI BUSBAR TECHNOLOGY

Better light trapping and current collection to improve power and reliability.



### REDUCED HOT SPOT LOSS

Optimized electrical design and lower operating current for reduced hot spot loss and better temperature coefficient.



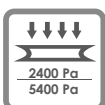
### PID RESISTANCE

Excellent Anti-PID performance guarantee via production and materials control.



### RELIABLE PERFORMANCE

Durability against salt mist and ammonia environmental conditions.

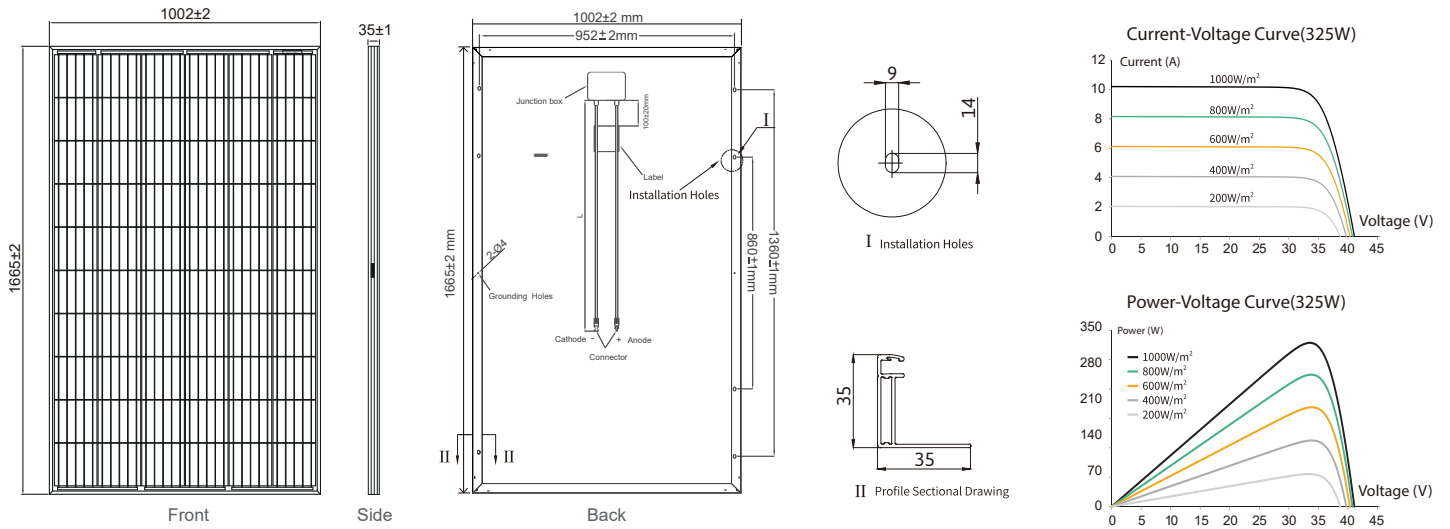


### STABLE MECHANICAL PERFORMANCE

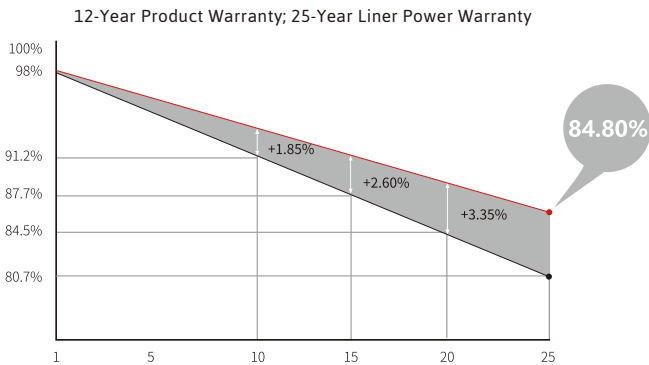
Withstands 5400Pa snow loads and 2400Pa wind loads.



# Monocrystalline Silicon PV Modules 315-335W



## Additional Value



## Mechanical Parameters

Cell Type	Mono PERC 158.75×158.75mm
Cell Orientation	60 Cells (6×10)
Junction Box	Protection class IP68
Output Cable	TÜV 1×4.0mm², Length 900mm; wire length can be customized
Glass	3.2mm coated tempered glass
Frame	Anodized aluminum alloy frame
Weight	19.0kg
Dimension	1665×1002×35mm
Packaging	30pcs per pallet / 840pcs per 40'HQ

## Electrical Characteristics

Module Type	DC315M-60		DC320M-60		DC325M-60		DC330M-60		DC335M-60	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	315	235	320	239	325	242	330	246	335	250
Voltage at Max. Power (Vmp/V)	33.2	31.2	33.4	31.4	33.6	31.6	33.8	31.8	34.0	32.0
Current at Max. Power (Imp/A)	9.49	7.56	9.59	7.62	9.68	7.66	9.77	7.74	9.87	7.82
Open Circuit Voltage (Voc/V)	40.7	37.6	40.9	37.8	41.1	38.0	41.3	38.2	41.5	38.4
Short Circuit Current (Isc/A)	10.04	8.33	10.15	8.44	10.20	8.54	10.31	8.65	10.36	8.74
Module Efficiency (%)	18.88		19.18		19.48		19.78		20.08	

STC (Standard Testing Conditions): Irradiance 1000W/m², Cell Temperature 25°C, AM1.5.

NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m², Ambient Temperature 20°C, AM1.5, Wind Speed 1m/s.

## Operating Parameters

Operating Temperature	-40 °C ~+85 °C
Power Output Tolerance	0 ~ + 5W
Voc and Isc Tolerance	±3%
Maximum System Voltage	1000/1500V
Maximum Series Fuse Rating	20A
NOCT (Nominal Operating Cell Temperature)	45±2 °C
Protection Class	Class II
Fire Rating	UL type 1 or 2

## Mechanical Loading

Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s

## Temperature Ratings(STC)

Temperature Coefficient (Pm)	-0.370% °C
Temperature Coefficient (Voc)	-0.280% °C
Temperature Coefficient (Isc)	0.048% °C



Sunway New Energy

www.sunwaysolution.com

Email: mark@sunwaysolution.com

Due to continuous innovation, R & D and product improvement, Sunway has the right to adjust the specs on this datasheet at any time without prior notice.