








Solar Modules POLY 250W - 340W

SPARKLE

PRODUCT | KEY FEATURES

- 
**AR Coated Tempered Glass
Anti-Reflective Module Surface**
- 
Excellent Module Efficiency
- 
**Positive Power Tolerance
Up to 5W**
- 
100% Pre and Post EL Inspection
- 
**IP68 Junction Box
for Long Term Endurance**
- 
**Ensure safety parameters
through Safety test**
- 
**Quality and Reliability assurance
in standard weather condition**



THE INDUSTRY'S BENCHMARK

Rayzon Solar is an internationally renowned leading solar energy cost effective befitting solutions provider having core competency in high efficiency PV module manufacturing and providing wide range EPC solutions. Our PV modules are the best in class in terms of power output and long-term reliability.

PRODUCT CERTIFICATES



MADE IN INDIA

- 
27 YEARS Industry leading linear power output warranty*
- 
10 YEARS Product warranty on materials and workmanship

TECHNICAL DATA

PERFORMANCE UNDER STANDARD TEST CONDITIONS (STC) (Irradiance of 1000 W/m², spectrum AM 1.5G and cell temperature of 25°C.)

Nominal Maximum Power (Pmax)	250W	260W	265W	270W	300W	325W	330W*	335W*	340W*
Optimum Operating Voltage (Vmp)	30.12	30.41	30.85	30.93	36.14	37.14	37.21	37.58	37.81
Optimum Operating Current (Imp)	8.30	8.55	8.59	8.73	8.30	8.75	8.87	8.93	9.01
Open Circuit Voltage (Voc)	37.50	37.74	37.86	38.70	45.00	45.64	45.87	46.39	46.51
Short Circuit Current (Isc)	8.76	9.03	9.15	9.16	8.76	9.17	9.21	9.39	9.51
Module Eff(%)	15.40	16.00	16.30	16.60	15.50	16.70	17.0	17.26	17.52

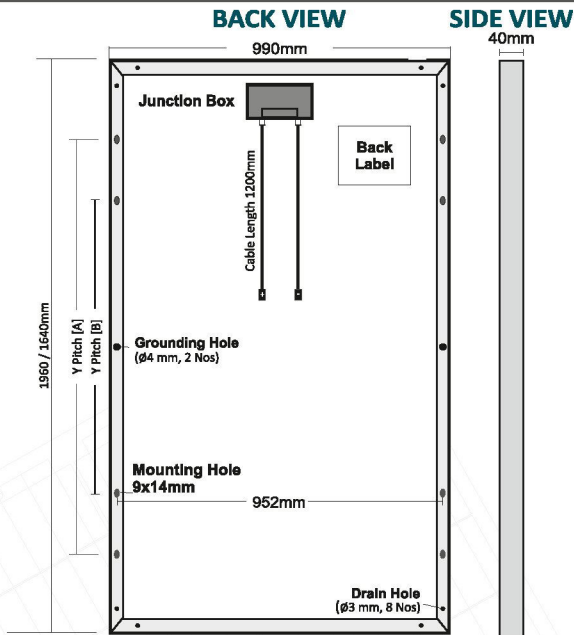
PERFORMANCE UNDER NOCT (NOCT irradiances of 800 W/m², ambient temperature of 20°C, Wind speed 1m/sec)

Maximum Power (Pmax)	181.48	188.73	192.36	195.99	217.77	235.92	239.55	243.18	246.81
Optimum Operating Voltage (Vmp)	27.48	27.74	28.14	28.22	32.97	33.89	33.95	34.28	34.49
Optimum Operating Current (Imp)	6.60	6.80	6.83	6.94	6.60	6.96	7.05	7.10	7.17
Open Circuit Voltage (Voc)	34.61	34.83	34.94	35.72	41.53	42.12	42.33	42.81	42.92
Short Circuit Current (Isc)	7.03	7.24	7.34	7.35	7.03	7.36	7.39	7.53	7.62

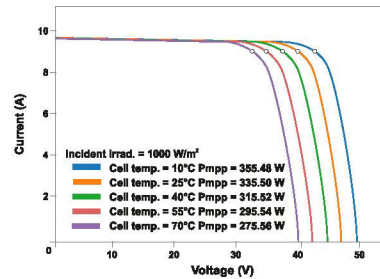
Mechanical Specifications

Dimensions (L x W x T in mm)	1640x990x40	1960x990x40
Weight(kg)	19.2	21.48
No Of Cells	60 [10x6]	72 [12x6]
Frame	Anodized Aluminum Alloy	Anodized Aluminum Alloy
Front Cover	Low Iron Tempered Glass (3.2 mm thick)	Low Iron Tempered Glass (3.2 mm thick)
Encapsulant	Ethylene Vinyl Acetate Sheet (EVA)	Ethylene Vinyl Acetate Sheet (EVA)
Back Sheet	Fluoro-polymer based composite film	Fluoro-polymer based composite film
Junction Box with 3-Bypass diode	4 terminal Junction Box (IP68)	4 terminal Junction Box (IP68)
Application Class Rating	Class A	Class A
Safety Class Rating	Class II	Class II
Mechanical Load Test (as per IEC & UL)	5400 Pa-Front; 2400 Pa-Back	5400 Pa-Front; 2400 Pa-Back
Mounting Holes Pitch (Y)-mm	[A] 820	[A] 1360, [B] 980
Mounting Holes Pitch (X)-mm	952	952

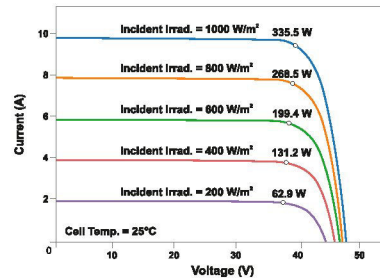
[*330W, 335W, 340W also available in size 1985 X 1000 X 40mm. All above parameters are same except Weight 21.60 Kgs. and Mounting Holes Pitch (X) 962 mm.]



IV Curve Variation with Temperature



IV Curve Variation with Irradiance



*All dimensions are in mm with +/-1% tolerance.

MAXIMUM OPERATING CONDITIONS

Operating Temperature:	-40°C to +85°C
Maximum System Voltage:	1000V / 1500V
Maximum Series Fuse Rating:	20A

TEMPERATURE COEFFICIENTS

Current α(Isc) :	0.021%/C
Voltage β(Voc) :	-0.291%/C
Power γ(Pmax) :	-0.397%/C

STACKING STANDARD

	72 CELL 19FT 32FT	60 CELL 19FT 32FT
No. of Modules	270 486	270 594
No of Pallets	10 18	10 22
Modules per Pallet / Weight	27 / 620 Kgs.	27 / 480 Kgs.
Pallet dimensions	2000*1130*1140	1680*1130*1140

Caution: Please read safety and installation instructions before using the product. ***Warranty:** Linear power warranty for 27 years up to 2.5% for 1st year degradation and 0.67%/year from year 2 to year 27. Please read Rayzon warranty documents thoroughly. **Disclaimer:** specifications included in the datasheet are subject to change without prior notice owing to conditions innovation on the product Development and R&D Activities. RAYZON GREEN ENERGIES reserves the right to make any adjustment to the information described here, Dataset contained in this specification do not form a representative of a single module data. @T&C Apply.