

Solar Modules

- POLY 335W
- MONO PERC 10BB
L'LIOS 550 WP

Beacon 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 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



■ Product Certificates



TECHNICAL DATA

PERFORMANCE UNDER STANDARD TEST CONDITIONS (STC)

(irradiance of 1000 W/m², spectrum AM 1.5G and cell temperature of 25°C.)

MODEL NO RS335WC

Nominal Maximum Power (P _{max})	: 335 W
Optimum Operating Voltage (V _{mp})	: 37.58 V
Optimum Operating Current (I _{mp})	: 8.93 A
Open Circuit Voltage (V _{oc})	: 46.39 V
Short Circuit Current (I _{sc})	: 9.39 A
Module Eff(%)	: 17.26
Power Tolerance	-----
Fill Factor	-----

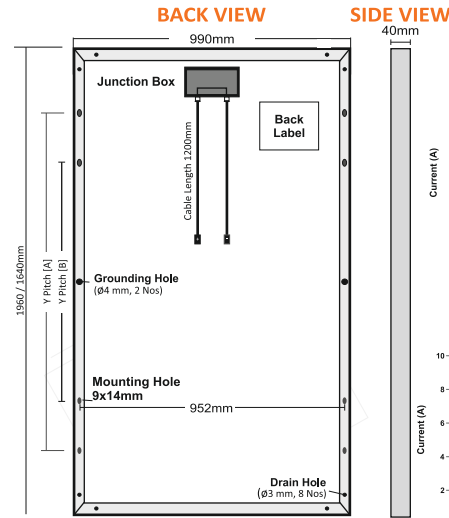
PERFORMANCE UNDER NOCT

(NOCT = 45.25°C irradianc of 800 W/m², ambient temperature of 20°C and Wind speed 1 m/s)

Maximum Power (P _{max})	: 243.18 W
Optimum Operating Voltage (V _{mp})	: 34.28 V
Optimum Operating Current (I _{mp})	: 7.10 A
Open Circuit Voltage (V _{oc})	: 42.81 V
Short Circuit Current (I _{sc})	: 7.53 A

Mechanical Specifications

Dimensions (L x W x T in mm)	: 1960 x 990 x 40
Weight(kg)	: 21.48
Cell type / No Of Cell	: 72 [12x6]
Frame	: Anodized Aluminum Alloy
Front Cover	: Low Iron Tempered Glass (3.2 mm thick)
Encapsulate	: Ethylene Vinyl Acetate Sheet (EVA)
Back Cover	: Fluoro-polymer based composite film
Junction Box	: 4 terminal Junction Box (Ip68)
Application Class Rating	: Class A
Safety Class Rating	: Class II
Mechanical Load Test (as per IEC & UL)	: 5400 Pa-Front; 2400 Pa-Back
Mounting Holes Pitch (Y)-mm	: [A] 1360, [B] 980
Mounting Holes Pitch (X)-mm	: 952



MAXIMUM OPERATING CONDITIONS

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

TEMPERATURE COEFFICIENTS

Current α(I _{sc}) :	0.021%/C
Voltage β(V _{oc}) :	-0.291%/C
Power γ(P _{max}) :	-0.397%/C

STACKING STANDARD

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

PERFORMANCE UNDER STANDARD TEST CONDITIONS (STC)

(irradiance of 1000 W/m², spectrum AM 1.5G and cell temperature of 25°C.)

MODEL NO RS550WC

Nominal Maximum Power (P _{max})	: 550 W
Optimum Operating Voltage (V _{mp})	: 42.14 V
Optimum Operating Current (I _{mp})	: 13.06 A
Open Circuit Voltage (V _{oc})	: 50.06 A
Short Circuit Current (I _{sc})	: 13.65 A
Module Eff(%)	: 21.32
Power Tolerance	: 0 to +4.99 W
Fill Factor	: 80.54%

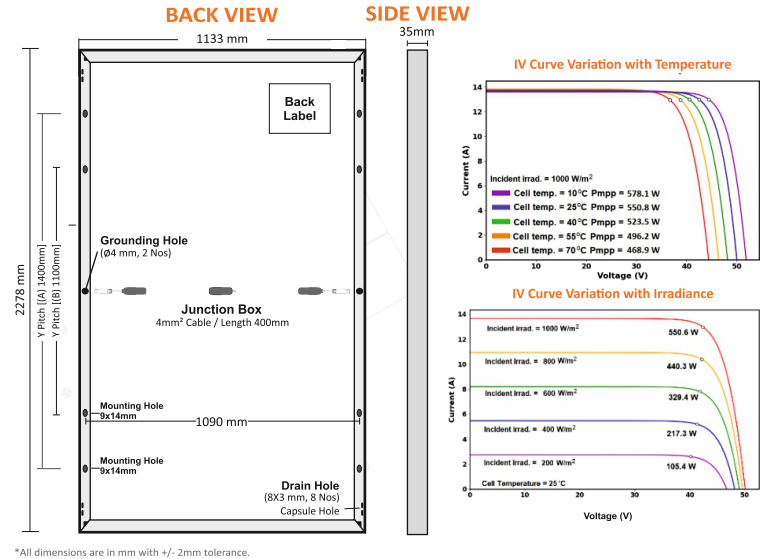
PERFORMANCE UNDER NOCT

(NOCT = 45.25°C irradianc of 800 W/m², ambient temperature of 20°C and Wind speed 1 m/s)

Maximum Power (P _{max})	: 407 W
Optimum Operating Voltage (V _{mp})	: 38.80 V
Optimum Operating Current (I _{mp})	: 10.49 A
Open Circuit Voltage (V _{oc})	: 47.09 V
Short Circuit Current (I _{sc})	: 11.06 A

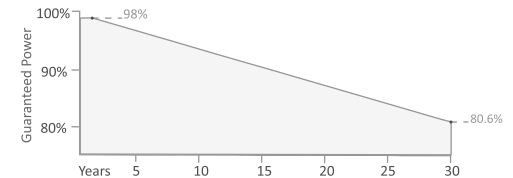
Mechanical Specifications

Dimensions (L x W x T in mm)	: 2278 x 1133 x 35
Weight(kg)	: 28.6
Cell type / No Of Cell	: 144 Half-cut Mono PERC Solar cells
Frame	: Anodized Aluminum Alloy (6005, Temper T6, silver colour)
Front Cover	: ARC coated Low Iron Tempered Glass (3.2 mm thick)
Encapsulate	: Ethylene Vinyl Acetate (EVA) Sheet - PID resistant and UV resistant
Back Cover	: Corona treated PVDF Fluoro-polymer Backsheet (white colour)
Junction Box	: 25 A Split Junction Box (3 nos. with individual Bypass Diode) -Weatherproof (Ip68)
Bypass Diode	: 40 A, 45 V, 200 °C max. junction temperature
Cable	: 4 sq. mm, 400 mm length (Customized cable length available on request)
Connectors	: MC4 compatible (MC4 original available on request)
Application Class Rating	: Class A
Safety Class Rating	: Class II
Mechanical Load Test (as per IEC & UL)	: 5400 Pa-Front; 2400 Pa-Back
Mounting Holes Pitch (Y)-mm	: [A] 1400, [B] 1100
Mounting Holes Pitch (X)-mm	: 1090



*All dimensions are in mm with +/- 2mm tolerance.

LINEAR PERFORMANCE WARRANTY



*graphics shown herein above are reference purpose only. Please consult Rayzon Solar Technical Team for any further clarification.

MAXIMUM OPERATING CONDITIONS

Operating Temperature:	-40°C to +85°C
Maximum System Voltage:	1500V
Maximum Series Fuse Rating:	25A

TEMPERATURE COEFFICIENTS

Current α(I _{sc}) :	0.0297%/C
Voltage β(V _{oc}) :	-0.2470%/C
Power γ(P _{max}) :	-0.3303%/C

STACKING STANDARD

	20FT	40FT
No. of Modules	155	620
No of Pallets	5	20
Modules per Pallet / Weight	31 Nos/940 Kg	31 Nos/940 Kg
Pallet dimensions	2320*1130*1275	2320*1130*1275



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