








L'LIOS (Bifacial)

PRODUCT | KEY FEATURES

-  Anti-Reflective (AR) Coated Glass for Enhanced Power
-  Excellent Module Efficiency with Bifacial Power Gain
-  Positive Power Tolerance with Current Binning to Prevent Mismatch Losses
-  Pre and Post EL Checking With High Resolution Camera
-  IP68 Junction Box for Long Term Endurance
-  100% Hi-Pot Testing to Ensure Safety
-  MBB Half-Cell Technology provides Better Performance under Partial Shading

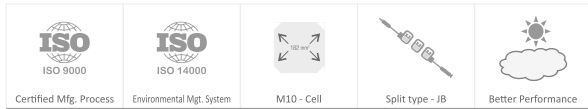
Solar Modules MONO PERC 10BB L'LIOS 540 - 550 Wp

Bifacial (Non-DCR)



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 EPC solution. Rayzon PV modules are the best in class in terms of power output and long-term reliability.

PRODUCT CERTIFICATES



MADE IN INDIA

-  30 YEARS Linear Performance warranty*
-  15 YEARS Product warranty on materials and workmanship

TECHNICAL DATA

ELECTRICAL PERFORMANCE [Note: Power tolerance: 0 ~ +4.99 W, Power measurement uncertainty: < ±3%. Average value of NOCT: 44.28 ± 2 °C]

ELECTRICAL CHARACTERISTICS*	RSG540WC		RSG545WC		RSG550WC	
	STC	NOCT	STC	NOCT	STC	NOCT
Nominal Maximum Power (Pmax)	540 W	400 W	545 W	403 W	550 W	407 W
Optimum Operating Voltage (Vmp)	41.86 V	38.54 V	42.01 V	38.68 V	42.14 V	38.80 V
Optimum Operating Current (Imp)	12.91 A	10.37 A	12.98 A	10.43 A	13.07 A	10.49 A
Open Circuit Voltage (Voc)	49.78 V	46.82 V	49.91 V	46.94 V	50.06 V	47.09 V
Short Circuit Current (Isc)	13.53 A	10.96 A	13.59 A	11.01 A	13.65 A	11.06 A
Module Efficiency	20.94 %		21.13 %		21.32 %	

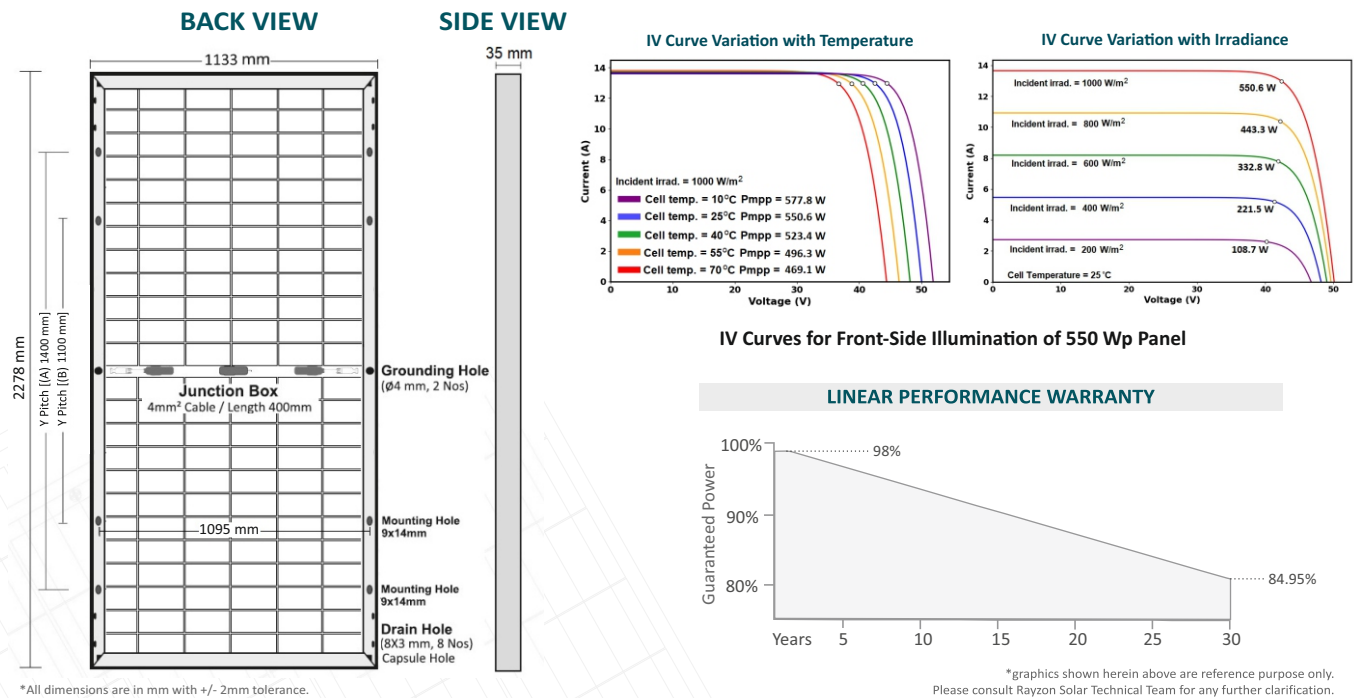
BIFACIAL OUTPUT – BACKSIDE POWER GAIN @ STC* [Bifaciality Factor: 75% ± 10%]

[Note: The bifacial gain depends on the power plant design and site conditions. Electrical component ratings should be selected as per actual Bifacial gain at site (module currents indicated below)]

		RSG540WC	RSG545WC	RSG550WC
5%	Nominal Maximum Power (Pmax)	567 W	573 W	578 W
	Module Short Circuit Current / Efficiency	14.21 A / 21.99 %	14.27 A / 22.18 %	14.33 A / 22.39 %
10%	Nominal Maximum Power (Pmax)	594 W	600 W	605 W
	Module Short Circuit Current / Efficiency	14.88 A / 23.03 %	14.95 A / 23.24 %	15.02 A / 23.46 %
25%	Nominal Maximum Power (Pmax)	676 W	682 W	688 W
	Module Short Circuit Current / Efficiency	16.91 A / 26.17 %	16.99 A / 26.41 %	17.06 A / 26.65 %

Mechanical Specifications

Dimensions (L x W x T in mm)	2278 x 1133 x 35
Weight(kg)	33
Cell type / No Of Cell	144 Half-cut Mono PERC Bifacial Solar cells
Frame	Anodized Aluminum Alloy (6005, Temper T6, Silver colour)
Front Cover	Low Iron Heat-strengthened AR coated Glass (2 mm thick)
Encapsulate	PID resistant and UV resistant polymeric film
Back Cover	Low Iron Heat-strengthened Glass (2 mm thick)
Junction Box	Split Junction Box (3 nos. with individual Bypass Diode) – Weatherproof (IP68)
Bypass Diode	50 A, 45 V, 200 °C max. junction temperature
Cable	4 sq. mm, 400 mm length (1200 mm 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	1095



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

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

MAXIMUM OPERATING CONDITIONS	TEMPERATURE COEFFICIENTS	STACKING STANDARD		
		32FT	40FT	
Operating Temperature:	-40°C to +85°C	No. of Modules	434	620
Maximum System Voltage:	1500V	No of Pallets	14	20
Maximum Series Fuse Rating:	25A	Modules per Pallet / Weight	31 Nos/1070 Kg	31 Nos/1070 Kg
		Pallet dimensions	2320*1130*1275	2320*1130*1275

Caution: Please read safety and installation instructions before using the product. ***Warranty:** Linear performance warranty for 30 years, with degradation up to 2% in 1st year and 0.45 %/year from year 2 to year 30. Please read Rayzon warranty documents thoroughly. **Disclaimer:** Specifications included in the datasheet are subject to change without prior notice owing to continuous innovation in the Product Development and R&D Activities. RAYZON SOLAR 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.