





L'LIOS (Monofacial)


PRODUCT | KEY FEATURES


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AR Coated Tempered Glass
Anti-Reflective Module Surface
- 

Excellent Module Efficiency with
Mono PERC cells through 100%
Automation
- 

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% High Voltage Testing to
Ensure Safety
- 

MBB Half-Cell Technology
provides Better Performance
under Partial Shading

Solar Modules MONO PERC 10BB L'LIOS 540 - 555 Wp

Monofacial


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

 30 YEARS Linear Performance warranty*

 12 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.)

Model Number	RS540WC	RS545WC	RS550WC	RS555WC
Nominal Maximum Power (Pmax)	540 W	545 W	550 W	555 W
Power Tolerance	0 to +4.99 W	0 to +4.99 W	0 to +4.99 W	0 to +4.99 W
Optimum Operating Voltage (Vmp)	41.86 V	42.01 V	42.14 V	42.28 V
Optimum Operating Current (Imp)	12.91 A	12.98 A	13.07 A	13.13 A
Open Circuit Voltage (Voc)	49.78 V	49.91 V	50.06 V	50.20 V
Short Circuit Current (Isc)	13.53 A	13.59 A	13.65 A	13.71 A
Module Efficiency	20.94 %	21.13 %	21.32 %	21.52 %
Fill Factor	80.24 %	80.39 %	80.54 %	80.69 %

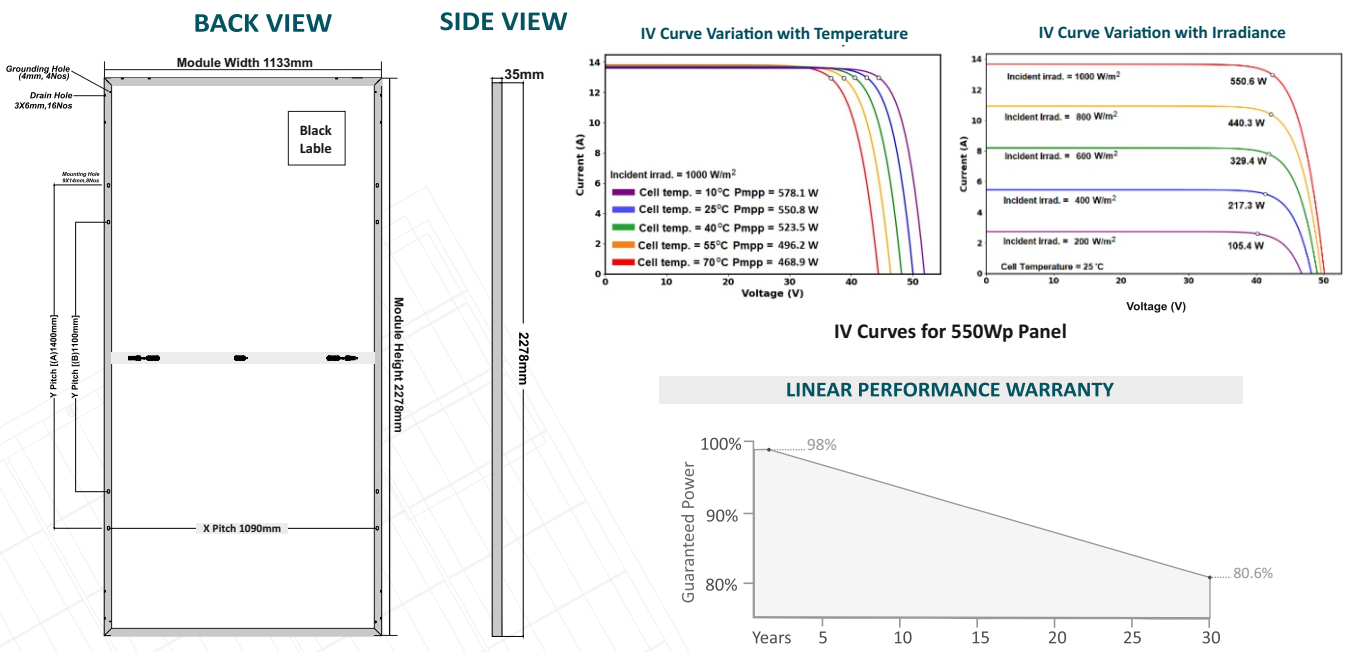
Note: Power Measurement uncertainty: < ±3%

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

Maximum Power (Pmax)	400 W	403 W	407 W	411 W
Optimum Operating Voltage (Vmp)	38.54 V	38.68 V	38.80 V	38.93 V
Optimum Operating Current (Imp)	10.37 A	10.43 A	10.49 A	10.55 A
Open Circuit Voltage (Voc)	46.82 V	46.94 V	47.09 V	47.21V
Short Circuit Current (Isc)	10.96 A	11.01 A	11.06 A	11.11 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 Vinly Acetate (EVA) Sheet - PID resistant and UV resistant
Back Cover	Corona treated PVDF Fluoro-polymer Backsheet (white colour)
Junction Box	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 (Customised 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.

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

MAXIMUM OPERATING CONDITIONS	TEMPERATURE COEFFICIENTS	STACKING STANDARD	20FT	40FT
Operating Temperature: -40°C to +85°C	Current α(Isc) : -0.0297%/°C	No. of Modules per Container:	135	540
Maximum System Voltage: 1500V	Voltage β(Voc) : -0.2470%/°C	No. of Pallets per Container:	05	20
Maximum Series Fuse Rating: 25 A	Power γ(Pmax) : -0.3303%/°C	No. of Modules per Pallet/Weight:	27Nos/820	
		Pallet Dimensions:	2320(L)x1130(W)x1275(H)	

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 0.6 %/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.