

L'LIOS 540 Wp – 555 Wp MONO PERC 10BB BIFACIAL (TRANSPARENT BACKSHEET)

> 30 Years Warranty for Linear Performance*



12 Years Product Warranty on Materials and Workmanship*



PRODUCT | CERTIFICATES

- IS 14286, IEC: 61215, 61730, 62804, 61583, 61701, 62716 •
- Quality Management System : ISO 9001:2015 •
- Environment Management System : ISO 14001: 2015 •
- Occupational Health and Safety : ISO 45001:2018 •



PRODUCT | KEY FEATURES

- Anti-reflective (AR) Coated Glass for Enhanced Power
- Excellent Module Efficiency with Bifacial Power Gain
- Rayzon Solar Module ensures Long-term reliability
- Positive Power Tolerance with Current Binning to Prevent Mismatch Losses

TECHNICAL DATA

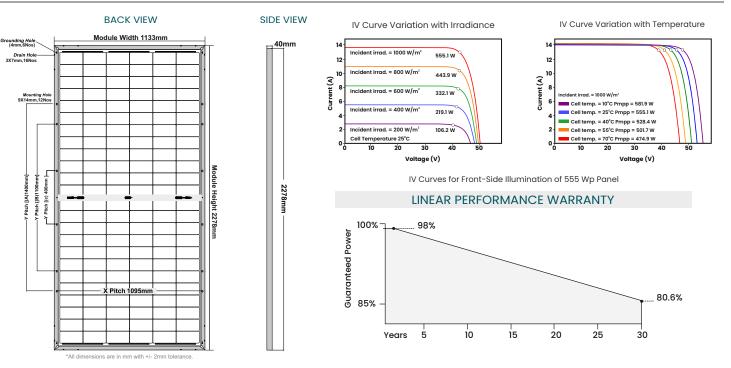
rer measurement uncertainty: < ±3%. Average value of NOCT: 44.51 ± 2 °C

ELECTRICAL CHARACTERISTICS*	RSB540V	C RSB5	RSB545WC		50WC	RSB555WC	
	STC NC	OCT STC	NOCT	STC	NOCT	STC	NOCT
Nominal Maximum Power (Pmax)	540 W 40	5 W 545 W	408 W	550 W	412 W	555 W	416 W
Optimum Operating Voltage (Vmp)	41.86 V 39	.09 V 42.01 V	39.23 V	42.14 V	39.35 V	42.28 V	39.48 V
Optimum Operating Current (Imp)	12.91 A 10.	36 A 12.98 A	10.41 A	13.06 A	10.48 A	13.13 A	10.53 A
Open Circuit Voltage (Voc)	49.78 V 46	.67 V 49.91 V	46.80 V	50.06 V	46.94 V	50.20 V	47.07 V
Short Ciruit Current (Isc)	13.53 A 10.	90 A 13.59 A	10.95 A	13.65 A	11.00 A	13.71 A	11.05 A
Module Efficiency	20.94 %	21.13 %		21.32 %		21.52 %	

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)]

5%	Nominal Maximum Power (Pmax)	567 W	573 W	578 W	583 W
	Module Short Circuit Current / Efficiency	14.21 A / 21.99 %	14.27 A / 22.18 %	14.33 A / 22.39 %	14.39 A / 22.59 %
10%	Nominal Maximum Power (Pmax)	594 W	600 W	605 W	611 W
	Module Short Circuit Current / Efficiency	14.88 A / 23.03 %	14.95 A / 23.24 %	15.02 A / 23.46 %	15.08 A / 23.67 %
25%	Nominal Maximum Power (Pmax)	676 W	682 W	688 W	694 W
	Module Short Circuit Current / Efficiency	16.91 A / 26.17 %	16.99 A / 26.41 %	17.06 A / 26.65 %	17.14 A / 26.89 %



MECHANICAL SPECIFICATIONS

Dimensions	2278(L) x 1133(W) x 40(T) in mm	Operating Temperature:
Weight (kg)	28.6	Maximum System Voltage:
Cell type / No Of Cell	144 Half-cut Mono PERC Bifacial Solar cells	Maximum Series Fuse Ratin
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) - PID resistant and UV resistant	TEMPERATURE COE
Back Cover	Corona treated PVDF Fluoro-polymer based transparent Backsheet	Current α (Isc) :
Junction Box	25A Split type (3 nos. with individual Bypass Diode) – Weatherproof (IP68)	Voltage β (Voc):
Bypass Diode	40 A, 45 V, 200 °C max. junction temperature	Power Y (Pmax) :
Cable	4 sq. mm, 300 mm length (Customised cable length available on request)	
Connectors	MC4 compatible (MC4 original available on request)	
Application Class Rating	Class A	STACKING STANDA
Safety Class Rating	Class II	No. of Modules per Containe
Mechanical Load Test	5400 Pa-Front; 2400 Pa-Back (as per IEC & UL)	No. of Pallets per Container:
Mounting Holes Pitch (Y)-mm	[A] 1400, [B] 1100, [C] 400	No. of Modules per Pallet/W
Mounting Holes Pitch (X)-mm	1095	Pallet Dimensions in mm :

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 PVT. LTD. 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.

MAXIMUM OPERATING CONDITIONS

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

TEMPERATURE COEFFICIENTS

Current α (Isc) :	0.0284%/Ċ
Voltage β (Voc) :	-0.2444%/Ċ
Power Y (Pmax) :	-0.3210%/Ċ

STACKING STANDARD	19F1	2011	40F1	
No. of Modules per Container:	192 288 528		528	
No. of Pallets per Container:	08	12	22	
No. of Modules per Pallet/Weight:	24 Nos/730 Kg			
Pallet Dimensions in mm :	2320(L)*1000(W)*1275(H)			

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