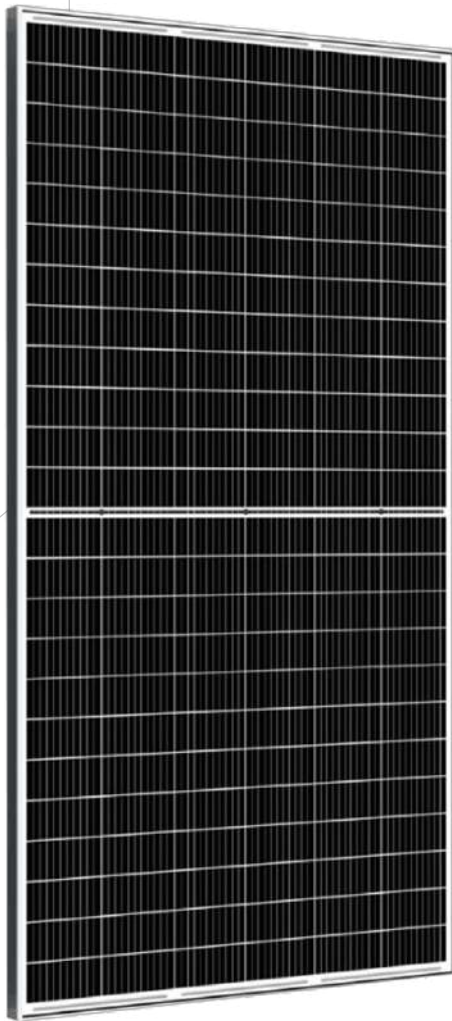




Solar4WD
POWERING A SUSTAINABLE FUTURE



Solar Modules

MONO PERC 10BB

L'LIOS 540 - 550 Wp

Bifacial (Dual Glass with Silver Frame)

PRODUCT | KEY FEATURES



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

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 Code

S4M540SPX

S4M545SPX

S4M550SPX



Linear Performance warranty*



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*	S4M540SPX		S4M545SPX		S4M550SPX	
	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	13.06 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 %	

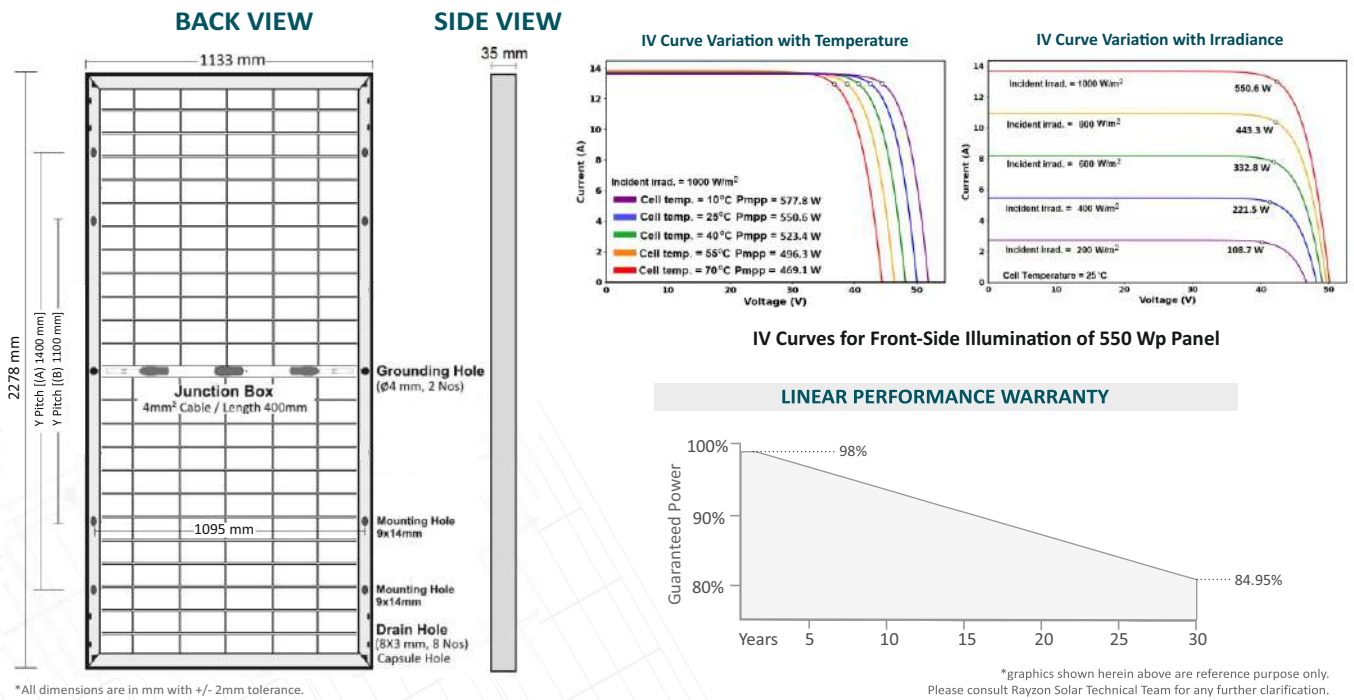
BIFACIAL OUTPUT – BACKSIDE POWER GAIN @ STC* [Bifaciality Factor: 75% ± 10%]

[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)]

		S4M540SPX	S4M545SPX	S4M550SPX
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 (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	1095



MAXIMUM OPERATING CONDITIONS	TEMPERATURE COEFFICIENTS	STACKING STANDARD	20FT	40FT
Operating Temperature: -40°C to +85°C	Current α(Isc) : 0.0286%/°C	No. of Modules	155	620
Maximum System Voltage: 1500V	Voltage β(Voc) : -0.2488%/°C	No of Pallets	5	20
Maximum Series Fuse Rating: 25A	Power γ(Pmax) : -0.3290%/°C	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 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. Solar4WD 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.