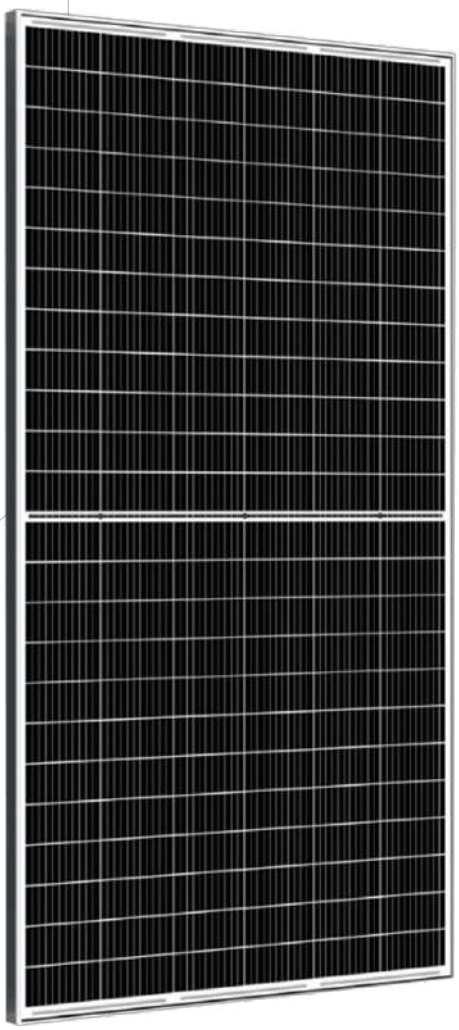


Solar4WD
POWERING A SUSTAINABLE FUTURE

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

Monofacial

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

30 YEARS Linear Performance warranty*

12 YEARS Product warranty on materials and workmanship

info@solar4wd.com sales@solar4wd.com +1 (224) 366 1121 www.solar4wd.com

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	S4M540SPX	S4M545SPX	S4M550SPX
Nominal Maximum Power (Pmax)	540 W	545 W	550 W
Power Tolerance	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
Optimum Operating Current (Imp)	12.91 A	12.98 A	13.06 A
Open Circuit Voltage (Voc)	49.78 V	49.91 V	50.06 V
Short Circuit Current (Isc)	13.53 A	13.59 A	13.65 A
Module Efficiency	20.94 %	21.13 %	21.32 %
Fill Factor	80.24 %	80.39 %	80.54 %

Note: Power Measurement uncertainty: < ±3%

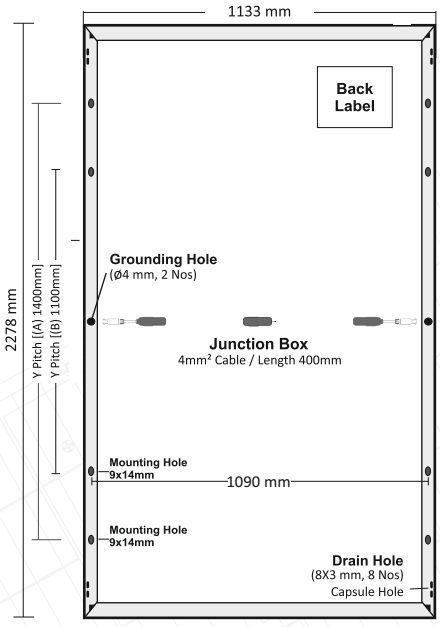
PERFORMANCE UNDER NOCT (NOCT = 45.25°C irradianc of 800 W/m², ambient temperature of 20°C and Wind speed 1 m/s)

Maximum Power (Pmax)	400 W	403 W	407 W
Optimum Operating Voltage (Vmp)	38.54 V	38.68 V	38.80 V
Optimum Operating Current (Imp)	10.37 A	10.43 A	10.49 A
Open Circuit Voltage (Voc)	46.82 V	46.94 V	47.09 V
Short Circuit Current (Isc)	10.96 A	11.01 A	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

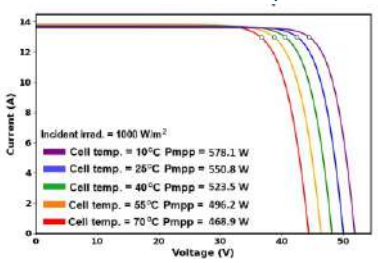
BACK VIEW



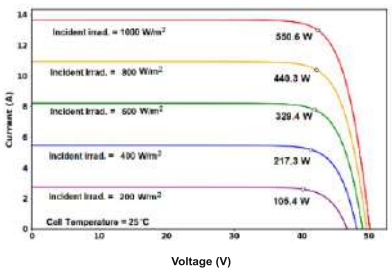
SIDE VIEW

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

IV Curve Variation with Temperature

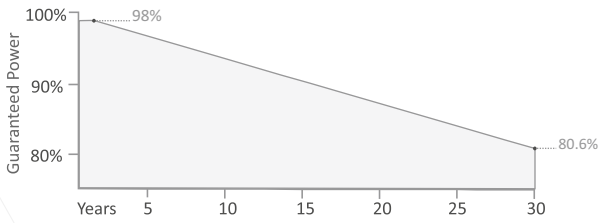


IV Curve Variation with Irradiance



IV Curves for 550 Wp Panel

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(Isc) :	0.0297%/Ċ
Voltage β(Voc) :	-0.2470%/Ċ
Power ϒ(Pmax) :	-0.3303%/Ċ

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

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 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.