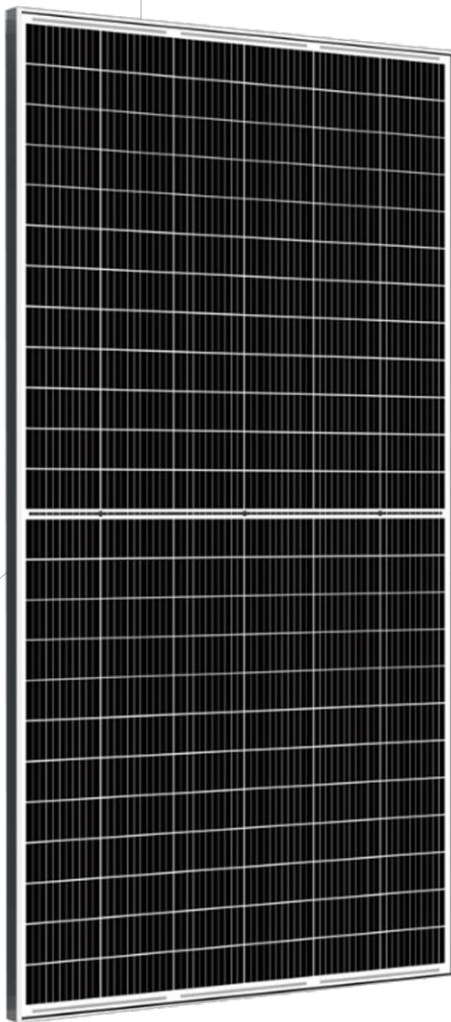


(Mono-bi-facial)



Solar Modules

MONO PERC 10BB

550 Wp

Mono-bi- facial

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

MADE IN INDIA



Linear Performance warranty*



Product warranty on materials
and workmanship

TECHNICAL DATA SHEET

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 %

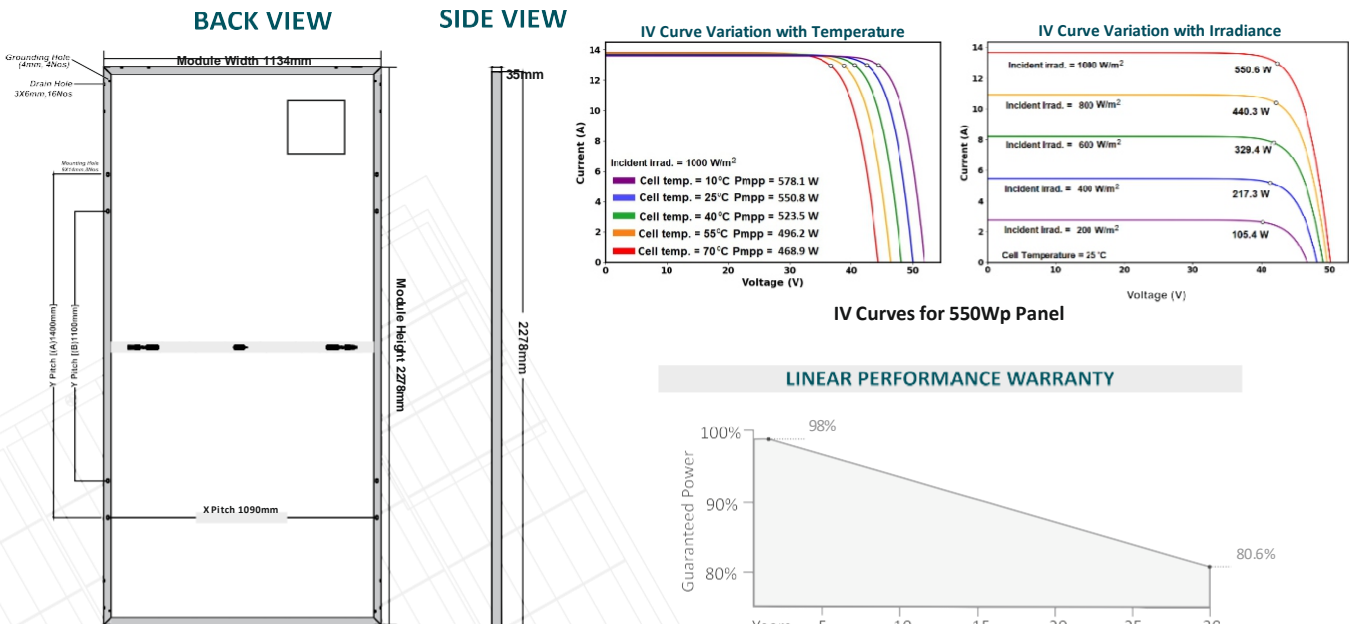
Note: Power Measurement uncertainty: < ±3%

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	47.21 V
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 1134 x 35
Weight(kg)	28.5
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	PVDF Fluoro-polymer Backsheet (white colour) Split Junction Box (3 nos. with individual Bypass Diode) – Weatherproof (IP68)
Junction Box	40A, 45V, 200°C max. junction temperature 4 sq. mm, 400 mm length (Customised cable length available on request) MC4 compatible
Bypass Diode	(MC4 original available on request)
Cable	Class A
Connectors	Class II
Application Class Rating	5400 Pa-Front; 2400 Pa-Back
Safety Class Rating	[A] 1400, [B] 1000
Mechanical Load Test (as per IEC & UL)	1090
Mounting Holes Pitch (Y)-mm	
Mounting Holes Pitch (X)-mm	



*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:	232
Maximum System Voltage:	1500V	Voltage β(Voc) :	-0.2470%/°C	No. of Pallets per Container:	08
Maximum Series Fuse Rating:	25 A	Power γ(Pmax) :	-0.3303%/°C	No. of Modules per Pallet/Weight:	29Nos/827
				Pallet Dimensions:	2310(L)x1130(W)x1275(H)