








Solar Modules MONO PERC 10BB 530W - 540W

Bifacial with Transparent Backsheet







PRODUCT | KEY FEATURES

-  AR Coated Tempered Glass
Anti-Reflective Module Surface
-  Excellent Module Efficiency
-  Positive Power Tolerance
Up to 5W
-  Pre and Post EL Checking
to ensure defect free modules
-  Ip68 Junction Box
for Long Term Endurance
-  Ensure safety parameters
through Safety test
-  Quality and Reliability assurance
in standard weather condition



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 MW level solution provider. Rayzon PV modules are the best in class in terms of power output and long-term reliability.

PRODUCT CERTIFICATES

					
Quality Trusted Mark	Split Junction Box	M10 Mono PERC Cell	Better Performance	Certified Mfg. Process	Environmental Mgt. System

MADE IN INDIA

-  30
YEARS Industry leading linear power
output warranty*
-  12
YEARS Product warranty on
materials and workmanship

LLIOS (Bifacial)

TECHNICAL DATA

ELECTRICAL CHARACTERISTICS*	540W		535W		530W	
	STC	NOCT	STC	NOCT	STC	NOCT
Nominal Maximum Power (Pmax)	540	408.19	535	404.41	530	400.63
Optimum Operating Voltage (Vmp)	42.81	39.49	42.6	39.29	42.4	39.11
Optimum Operating Current (Imp)	12.63	10.35	12.56	10.29	12.5	10.24
Open Circuit Voltage (Voc)	49.3	46.21	49.03	45.96	48.88	45.82
Short Circuit Current (Isc)	13.51	10.91	13.42	10.83	13.38	10.80
Module Eff(%)	20.98		20.78		20.59	

*PERFORMANCE UNDER STANDARD TEST CONDITIONS (STC) (irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.)

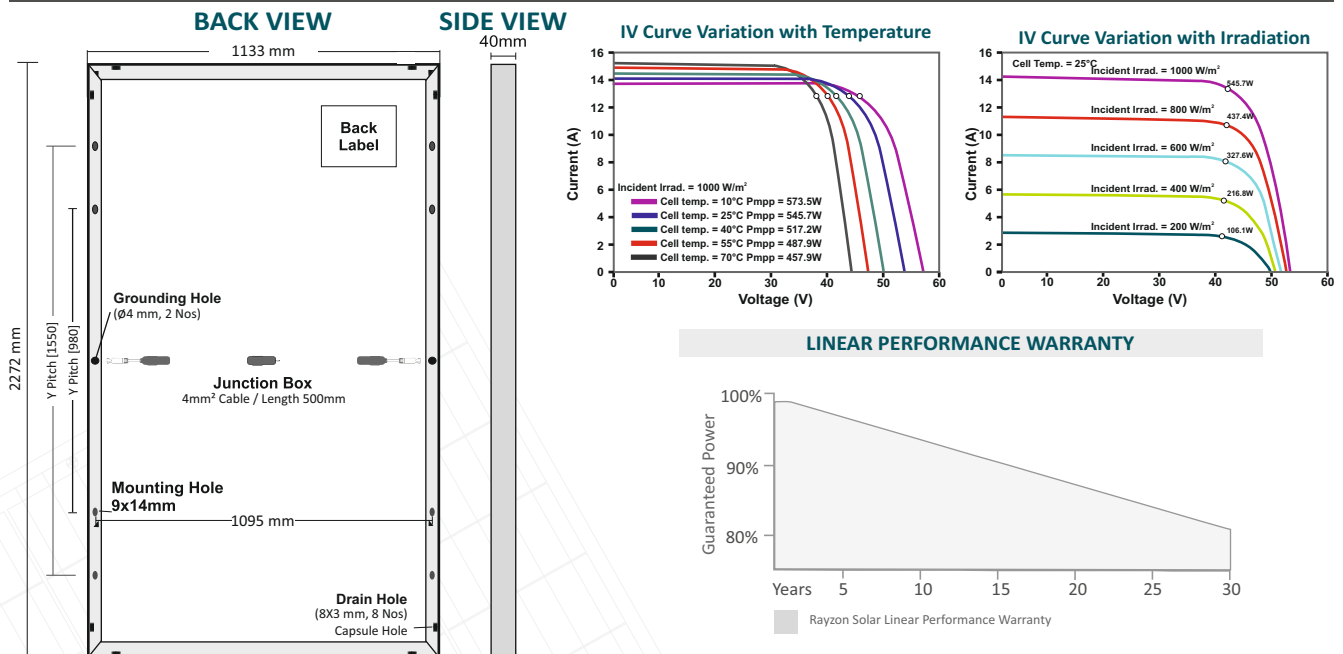
*PERFORMANCE UNDER NOCT (NOCT irradiances of 800 W/m², ambient temperature of 20°C, Wind speed 1m/sec)

BI-FACIAL OUTPUT - BACKSIDE POWER GAIN @ STC* [*The bifacial gains are depend on the power plant Design and Matrix.]

Gain (%)	Parameter	540W	535W	530W
10%	Nominal Maximum Power (Pmax)	594	588	583
	Module Eff (%)	23.08	22.86	22.65
15%	Nominal Maximum Power (Pmax)	621	615	610
	Module Eff (%)	24.12	23.90	23.68
20%	Nominal Maximum Power (Pmax)	648	642	636
	Module Eff (%)	25.17	24.94	24.71

Mechanical Specifications

Dimensions (L x W x T in mm)	2272 x 1133 x 40
Weight(kg)	28.6
Cell type / No Of Cell	Mono PERC Bifacial / 144 [12x6 / 12x6]
Aluminum Frame [40HS]	Silver Anodized Aluminum Alloy
Front Cover (Tempered Glass)	3.2 mm
Encapsulate	PID Free EVA (Ethylene Vinyl Acetate) & UV Resistant
Back Cover	Transparent Backsheet
Junction Box / Connector rating/Type	Split Junction Box (Ip68) - Weatherproof / MC4 compatible
Cable Cross - Section & Length	4mm ² & 500mm
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] 980mm [B] 1550mm
Mounting Holes Pitch (X)-mm	1095mm



*All dimensions are in mm with +/-1% tolerance.

*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 Temperature Coefficients $\alpha(Isc)$:	0.0211%/°C
Voltage Temperature Coefficients $\beta(Voc)$:	-0.2914%/°C
Power Temperature Coefficients $\gamma(Pmax)$:	-0.3971%/°C

Caution: Please read safety and installation instructions before using the product. ***Warranty:** Linear power warranty for 30 years up to 2.5% for 1st year degradation and 0.60% 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 conditions innovation on the product Development and R&D Activities. RAYZON GREEN ENERGIES 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.