

MADE  
IN  
INDIA



# PACiFiC<sup>+</sup>

SERIES



12  
YEARS

12 Years Product  
Warranty  
On Materials And  
Workmanship\*

25  
YEARS

25 Years Warranty  
for Linear  
Performance\*

P-TYPE PERC 10BB

**530 Wp - 560 Wp**

BIFACIAL (GLASS TO BACK SHEET)



Extra Power/High Saving



Extra Life With Up to  
20% Additional Power



AR Coated Glass  
For Enhanced Power



Excellent anti-LeTID  
& anti-PID performance



Lower LCOE  
& system cost



Double-Sided  
Power Generation



Lower temperature  
coefficient

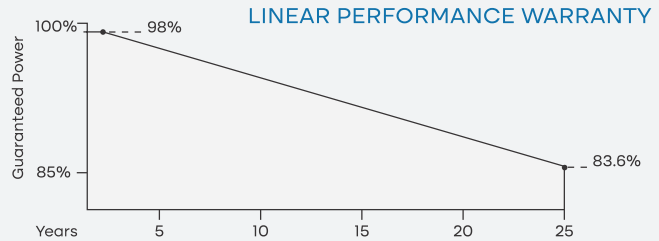
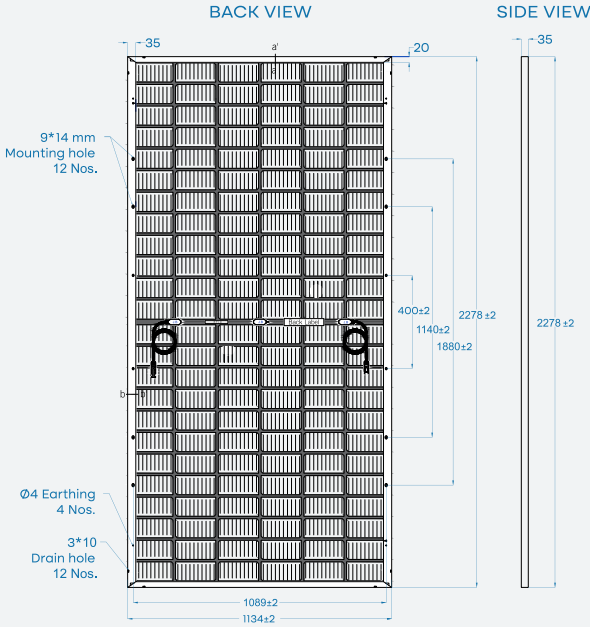


## PRODUCT | CERTIFICATES

IS 14286, IEC: 61215, 61730-1 & 11, 62804, 61701  
Quality Management System: ISO 9001:2015  
Environment Management System: ISO 14001: 2015  
Occupational Health and Safety: ISO 45001:2018

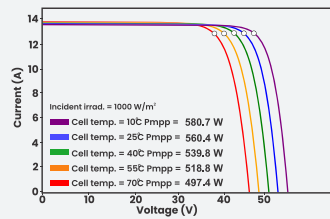
# TECHNICAL DATA

ELECTRICAL CHARACTERISTICS*	SEPLM10B144-530		SEPLM10B144-535		SEPLM10B144-540		SEPLM10B144-545		SEPLM10B144-550		SEPLM10B144-555		SEPLM10B144-560	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Nominal Maximum Power (Pmax)	530	395	535	398	540	402	545	406	550	410	555	413	560	417
Optimum Operating Voltage (Vmp)	41.55	38.34	41.68	38.46	41.81	38.58	41.94	38.70	42.07	38.82	42.20	38.94	42.33	39.06
Optimum Operating Current (Imp)	12.76	10.29	12.84	10.36	12.92	10.42	13.00	10.49	13.08	10.55	13.16	10.62	13.24	10.68
Open Circuit Voltage (Voc)	49.46	45.64	49.59	45.76	49.72	45.88	49.85	46.00	49.98	46.12	50.11	46.24	50.24	46.36
Short Circuit Current (Isc)	13.44	10.86	13.52	10.92	13.60	10.98	13.68	11.05	13.76	11.11	13.84	11.18	13.92	11.24
Module Efficiency	20.52%		20.72%		20.91%		21.11%		21.30%		21.50%		21.70%	

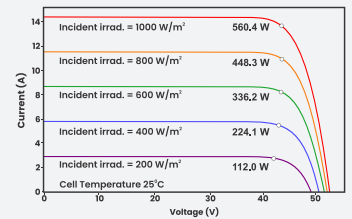


12 Year Mfg. Warranty, 25 Years Performance Warranty

IV Curve Variation with Temperature



IV Curve Variation with Irradiance



IV Curves for Front-Side Illumination of 560 Wp Panel

## BIFACIAL OUTPUT – BACKSIDE POWER GAIN @ STC\* [Bifaciality Factor: 70% ± 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%	Capacity rating - Pmax(Wp)	557	562	567	572	578	583	588
	Rated Voltage - Vmp(V)	41.55	41.68	41.81	41.94	42.07	42.20	42.33
	Rated Current - Imp(A)	13.40	13.48	13.57	13.65	13.73	13.82	13.90
	Open Circuit Voltage - Voc(V)	49.46	49.59	49.72	49.85	49.98	50.11	50.24
	Short Circuit Current - Isc(A)	14.11	14.20	14.28	14.36	14.45	14.53	14.62
	Module Efficiency (%)	21.61%	21.81%	22.01%	22.22%	22.43%	22.63%	22.84%
10%	Capacity rating - Pmax(Wp)	583	589	594	600	605	611	616
	Rated Voltage - Vmp(V)	41.55	41.68	41.81	41.94	42.07	42.20	42.33
	Rated Current - Imp(A)	14.04	14.12	14.21	14.30	14.39	14.48	14.56
	Open Circuit Voltage - Voc(V)	49.46	49.59	49.72	49.85	49.98	50.11	50.24
	Short Circuit Current - Isc(A)	14.78	14.87	14.96	15.05	15.14	15.22	15.31
	Module Efficiency (%)	22.64%	22.85%	23.06%	23.28%	23.49%	23.71%	23.93%

## MECHANICAL SPECIFICATIONS

Dimensions	2278(L) x 1134(W) x 35(T)
Weight(kg)	28kg
Cell type / No Of Cell	(91mm x 182mm) 144 Half-cut P-type MONO PERC Bifacial Solar cells
Frame	Anodized Aluminum Alloy (6005, Temper T6, Silver colour)
Front Cover	Low Iron semi-Tempered AR coated Glass (3.2 mm thick )
Encapsulate	PID resistant and UV resistant Polymeric Film
Back Cover	PVDF base UV protected backsheet
Junction Box	25A Split Junction Box (3 nos. with individual Bypass Diode) – Weatherproof (IP68)
Bypass Diode	60 A, 45 V, 200 °C max. junction temperature
Cable	4 sq. mm, 300 mm length (Customised cable length available on request)
Connectors	Mc4 Type
Application Class Rating	Class A
Safety Class Rating	Class II
Mechanical Load Test	5400 Pa-Front; 2400 Pa-Back (as per IEC & UL)
Mounting Holes Pitch (Y)-mm	[A] 1880, [B] 1140, (Holes at 400 mm Y-pitch for tracker can be provided on customer request)
Mounting Holes Pitch (X)-mm	1089

## MAXIMUM OPERATING CONDITIONS

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

## TEMPERATURE COEFFICIENTS

Current $\alpha$ (Isc) :	0.0482%/°C
Voltage $\beta$ (Voc) :	-0.2917%/°C
Power $\gamma$ (Pmax) :	-0.3425%/°C

## PACKING STANDARD

	19FT	20FT	40FT
No. of Modules per Container:	224	280	616
No. of Pallets per Container:	08	10	22
No. of Modules per Pallet/Weight:	28 Nos/835 Kg		
Pallet Dimensions in mm:	2290(L)*1000(W)*1227(H)		

ELECTRICAL PERFORMANCE [Note: Power tolerance: 0 ~ +4.99 W. Power measurement uncertainty: < ±3%. Average value of NOCT: 45.00 ± 2 °C]

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 SUNBOND 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. SUNBOND ENERGY 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.

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