



# PACiFiC<sup>+</sup>

SERIES

P-TYPE PERC 10BB

**530 Wp - 560 Wp**

BIFACIAL (GLASS TO BACK SHEET)



12 Years Product Warranty  
On Materials And Workmanship\*



30 Years Warranty for  
Linear Performance\*



Extra Power/High Saving



Extra Life With Up to 20% Additional Power



Double-Sided  
Power Generation



Excellent anti-LeTID  
& anti-PID performance



AR Coated Glass  
For Enhanced Power



Lower temperature  
coefficient



Lower LCOE  
& system cost

## PRODUCT | CERTIFICATES

IS 14286, IEC: 61215, 61730-1 & 11, 62804, 61583, 61701, 62716

Quality Management System: ISO 9001:2015

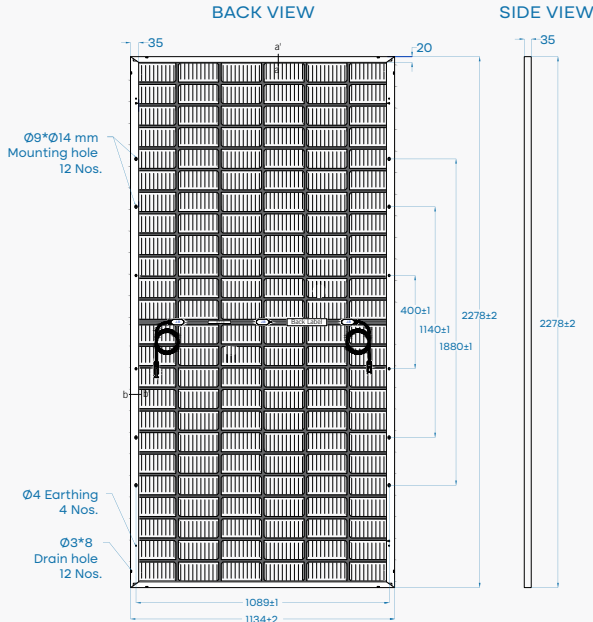
Environment Management System: ISO 14001: 2015

Occupational Health and Safety: ISO 45001:2018

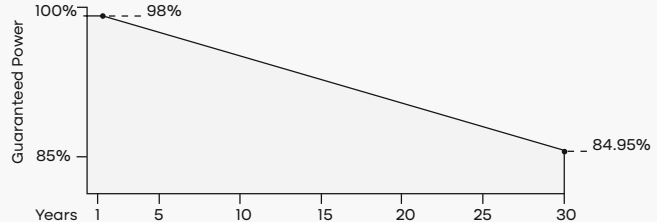


# TECHNICAL DATA

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(Wp)	530	395	535	398	540	402	545	406	550	410	555	413	560	417
Optimum Operating Voltage- Vmp(V)	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(A)	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(V)	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(A)	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%	

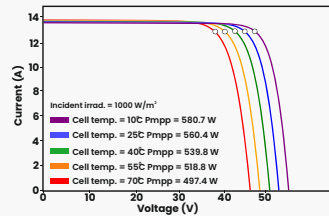


## LINEAR PERFORMANCE WARRANTY

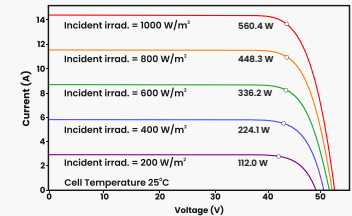


12 Year Mfg. Warranty, 30 Years Performance Warranty

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	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:	25 A

## TEMPERATURE COEFFICIENTS

Current α (Isc) :	0.0482%/°C
Voltage β (Voc) :	-0.2917%/°C
Power γ (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.