

MADE  
IN  
INDIA



# PACiFiC

SERIES



12 Years Product  
Warranty  
On Materials And  
Workmanship\*



25 Years Warranty  
for Linear  
Performance\*

P-TYPE PERC 10BB

**500 Wp - 550 Wp**

MONOFACIAL (GLASS TO BACK SHEET)



Extra Power/High Saving



Extra life with positive  
power tolerance



Excellent anti-LeTID  
& anti-PID performance



AR Coated Glass  
For Enhanced Power



Lower LCOE  
& system cost



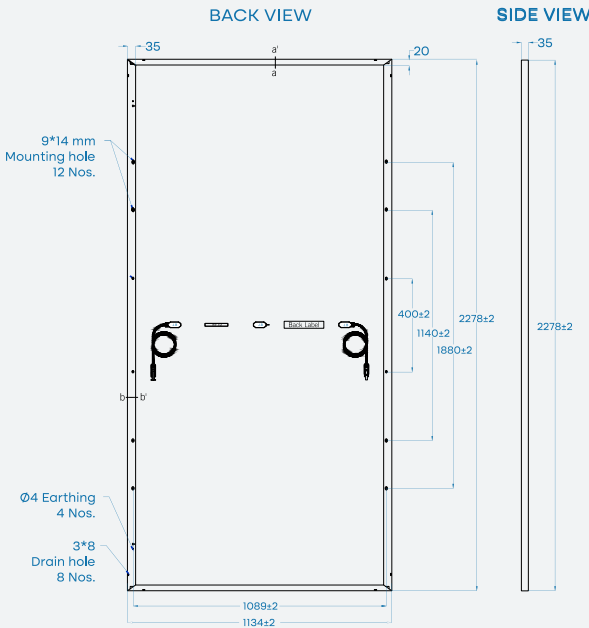
## PRODUCT | CERTIFICATES

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

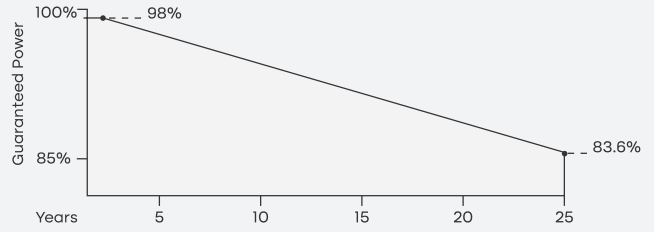
# TECHNICAL DATA

ELECTRICAL CHARACTERISTICS*	SEPLM10-500	SEPLM10-505	SEPLM10-510	SEPLM10-515	SEPLM10-520	SEPLM10-525	SEPLM10-530	SEPLM10-535	SEPLM10-540	SEPLM10-545	SEPLM10-550
	STC	STC	STC	STC	STC	STC	STC	STC	STC	STC	STC
Nominal Maximum Power - Pmax(Wp)	500	505	510	515	520	525	530	535	540	545	550
Optimum Operating Voltage- Vmp(V dc)	42.10	42.15	42.20	42.25	42.30	42.35	42.40	42.48	42.50	42.55	42.61
Optimum Operating Current- Imp(A)	11.90	12.00	12.10	12.20	12.30	12.40	12.50	12.60	12.75	12.85	12.93
Open Circuit Voltage- Voc	48.96	49.01	49.06	49.10	49.16	49.19	49.22	49.26	49.28	49.33	49.37
Short Circuit Current- Isc(A)	13.15	13.20	13.25	13.30	13.35	13.40	13.45	13.50	13.65	13.80	13.90
Module Efficiency (%)	19.39%	19.58%	19.77%	19.95%	20.14%	20.33%	20.52%	20.72%	20.98%	21.17%	21.33%

ELECTRICAL CHARACTERISTICS*	SEPLM10-500	SEPLM10-505	SEPLM10-510	SEPLM10-515	SEPLM10-520	SEPLM10-525	SEPLM10-530	SEPLM10-535	SEPLM10-540	SEPLM10-545	SEPLM10-550
	NOCT	NOCT	NOCT	NOCT	NOCT	NOCT	NOCT	NOCT	NOCT	NOCT	NOCT
Nominal Maximum Power - Pmax(Wp)	374	378	382	385	389	392	396	400	405	409	412
Optimum Operating Voltage- Vmp(V dc)	39.10	39.14	39.19	39.24	39.28	39.33	39.37	39.45	39.47	39.51	39.57
Optimum Operating Current- Imp(A)	9.58	9.66	9.74	9.82	9.90	9.98	10.06	10.14	10.26	10.34	10.41
Open Circuit Voltage- Voc	45.47	45.51	45.56	45.60	45.65	45.68	45.71	45.75	45.76	45.81	45.85
Short Circuit Current- Isc(A)	10.58	10.62	10.66	10.70	10.74	10.78	10.82	10.86	10.99	11.11	11.19

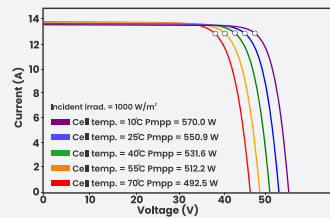


## LINEAR PERFORMANCE WARRANTY

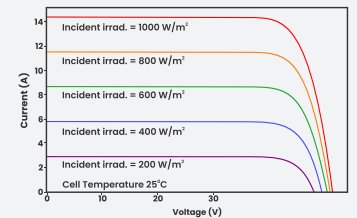


12 Year Mfg. Warranty, 25 Years Performance Warranty

IV Curve Variation with Temperature



IV Curve Variation with Irradiance



IV Curves for Front-Side Illumination of 550 Wp Panel

## 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 PERC 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	PET/PVDF base UV Protected White Backsheet
Junction Box	25A Split Junction Box (3 nos. with individual Bypass Diode) – Weatherproof (IP68)
Bypass Diode	50A, 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) :	0.030%/°C
Voltage $\beta$ (Voc) :	-0.262%/°C
Power $\gamma$ (Pmax) :	-0.334%/°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 25 years, with degradation up to 2% in 1st year and 0.60 %/year from year 2 to year 25. 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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