



PACiFiC⁺

SERIES

P-TYPE PERC 10BB

565 Wp - 600 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

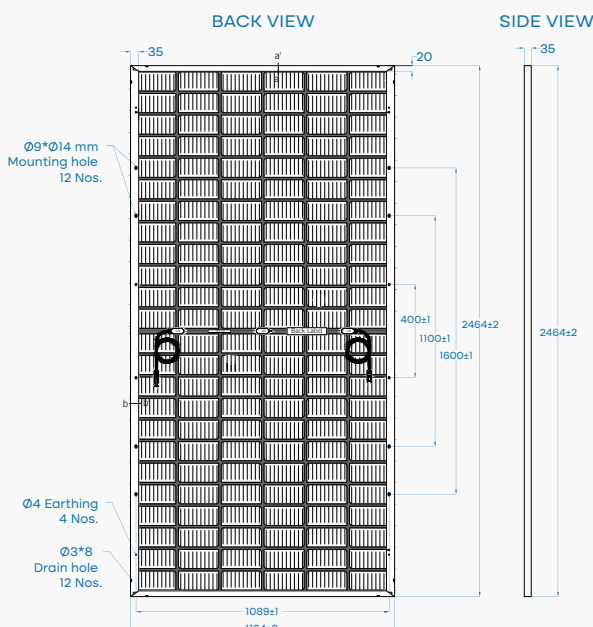
Quality Management System: ISO 9001:2015

Environment Management System: ISO 14001: 2015

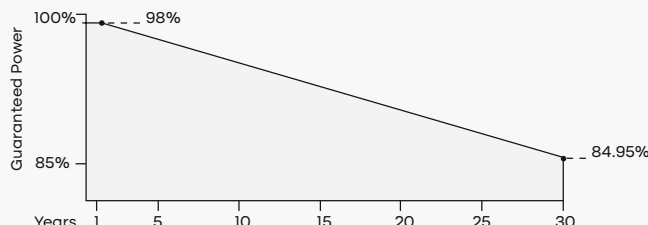
Occupational Health and Safety: ISO 45001:2018



ELECTRICAL CHARACTERISTICS*	SEPLM10B156-565		SEPLM10B156-570		SEPLM10B156-575		SEPLM10B156-580		SEPLM10B156-585		SEPLM10B156-590		SEPLM10B156-595		SEPLM10B156-600	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Nominal Maximum Power - Pmax(Wp)	565	421	570	424	575	428	580	432	585	436	590	439	595	443	600	447
Optimum Operating Voltage- Vmp(V)	44.60	41.16	44.73	41.28	44.96	41.49	45.12	41.64	45.30	41.80	45.48	41.97	45.66	42.14	45.84	42.30
Optimum Operating Current- Imp(A)	12.67	10.22	12.74	10.28	12.79	10.32	12.86	10.37	12.92	10.42	12.98	10.47	13.04	10.52	13.09	10.56
Open Circuit Voltage- Voc(V)	53.04	48.95	53.22	49.11	53.40	49.28	53.58	49.45	53.76	49.61	53.94	49.78	54.12	49.94	54.30	50.11
Short Circuit Current- Isc(A)	13.32	10.76	13.38	10.81	13.44	10.86	13.50	10.90	13.56	10.95	13.62	11.00	13.68	11.05	13.74	11.10
Module Efficiency (%)	20.22%		20.39%		20.58%		20.77%		20.95%		21.13%		21.31%		21.47%	

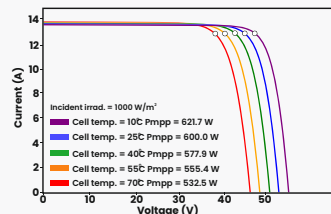


LINEAR PERFORMANCE WARRANTY

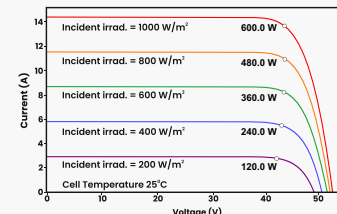


12 Year Mfg. Warranty, 30 Years Performance Warranty

IV Curve Variation with Temperature



IV Curve Variation with Irradiance



IV Curves for Front-Side Illumination of 600 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)	593.34	598.35	603.79	609.26	614.54	619.85	625.18	630.05
	Rated Voltage - Vmp(V)	44.60	44.73	44.96	45.12	45.30	45.48	45.66	45.84
	Rated Current - Imp(A)	13.30	13.38	13.43	13.50	13.57	13.63	13.69	13.74
	Open Circuit Voltage - Voc(V)	53.04	53.22	53.40	53.58	53.76	53.94	54.12	54.30
	Short Circuit Current - Isc(A)	13.99	14.05	14.11	14.18	14.24	14.30	14.36	14.43
	Module Efficiency (%)	21.23%	21.41%	21.61%	21.80%	21.99%	22.18%	22.37%	22.55%
10%	Capacity rating - Pmax(Wp)	621.59	626.85	632.54	638.27	643.80	649.36	654.95	660.05
	Rated Voltage - Vmp(V)	44.60	44.73	44.96	45.12	45.30	45.48	45.66	45.84
	Rated Current - Imp(A)	13.94	14.01	14.07	14.15	14.21	14.28	14.34	14.40
	Open Circuit Voltage - Voc(V)	53.04	53.22	53.40	53.58	53.76	53.94	54.12	54.30
	Short Circuit Current - Isc(A)	14.65	14.72	14.78	14.85	14.92	14.98	15.05	15.11
	Module Efficiency (%)	22.25%	22.43%	22.64%	22.84%	23.04%	23.24%	23.44%	23.62%

MECHANICAL SPECIFICATIONS

Dimensions	2464(L) x 1134(W) x 35(T)
Weight(kg)	31.5 kg
Cell type / No Of Cell	156 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 6 & 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:	248	248	496
No. of Pallets per Container:	08	08	16
No. of Modules per Pallet/Weight:	31 Nos/950 Kg		
Pallet Dimensions in mm :	2480(L)*1000(W)*1230(H)		

ELECTRICAL PERFORMANCE [Note: Power tolerance: 0 ~ +4.99 W. Power measurement uncertainty: < ±3%. Average value of NMOT: 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.