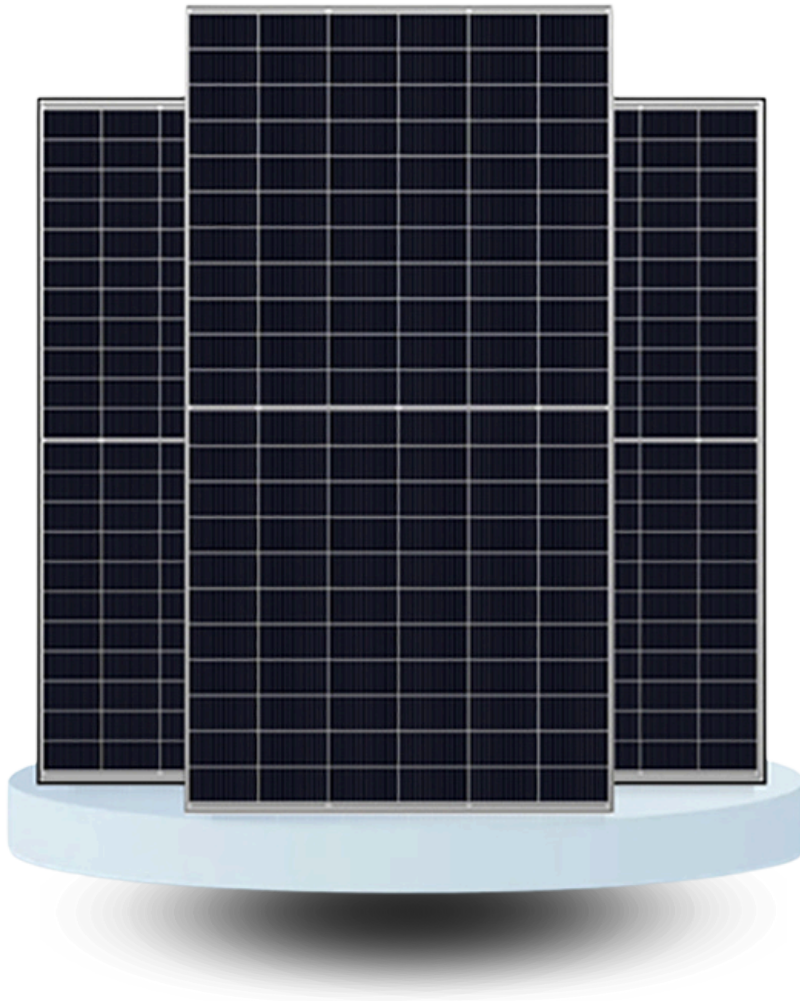




515 Wp - 555 Wp

MONOPERC 10BB
BIFACIAL (GLASS TO BACKSHEET)

30 YEARS WARRANTY FOR
LINEAR PERFORMANCE*



12 YEAR PRODUCT WARRANTY
ON MATERIALS AND
WORKMANSHIP*



FEATURES:



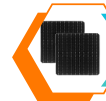
**PID Free /Low LID
Protection**



**Positive Tolerance @
0~5W**



**100% in Line Hi-Pot
Testing**



M10 MONO-PERC

CERTIFICATIONS:



IEC 61730 | IEC 62804(PID) |
IEC 61701(Salt Mist) | IEC 61853 | IEC 6280



ISO 9001, ISO 14001
ISO 45001



IS 14286
IS 61730 - 1 & 2

R-71031178

Benefits of Solarious Solar Panels



Super Performance



Quality Materials



**Advanced Technology
Warranty and Support**

144 HALF CUT CELL MONOPERC BI-FACIAL G2B MODULE

TECHNICAL SPECIFICATION SLB-M10-144-XXX

ELECTRICAL SPECIFICATION (STC)

Maximum Power (Pmp)	515	520	525	530	535	540	545	550	555
Open Circuit Voltage (Voc)	49.20	49.24	49.28	49.32	49.36	49.40	49.44	49.80	50.00
Short Circuit Current (Isc)	13.15	13.26	13.38	13.49	13.60	13.72	13.83	13.98	14.05
Maximum Power Voltage (Vmp)	41.72	41.76	41.80	41.84	41.88	41.92	41.96	41.95	41.99
Maximum Power Current (Imp)	12.34	12.45	12.56	12.67	12.77	12.88	12.99	13.12	13.22
Module Efficiency %	19.93	20.12	20.31	20.51	20.70	20.89	21.09	21.28	21.48
Power Tolerance (Positive Only)	0 to +5W	0 to +5W	0 to +5W	0 to +5W	0 to +5W	0 to +5W	0 to +5W	0 to +5W	0 to +5W

Under Standard Test Conditions (STC) of irradiance 1000 W/m², spectrum AM 1.5 and cell temperature of 25 °C
Except Pmax all other parameter have a tolerance of ± 3%,No Negative Power Tolerance in Nominal Power

Bifacial gains depends on the power plant design and albedo of installation site
Power Bifaciality - Pmax (Rear) /Pmax Front are tested under STC

Measuring Tolerance ± 3%

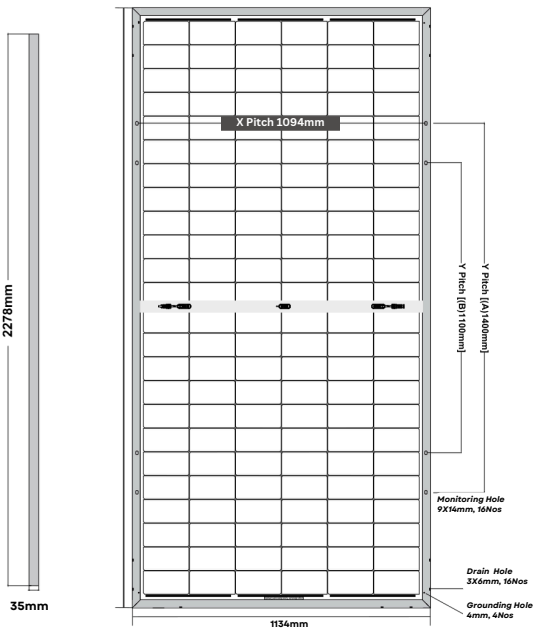
Bi-Facial Gain	515	520	525	530	535	540	545	550	555
10%	566.5	572	577.5	583	588.5	594	599.5	605	610.5
20%	618	624	630	636	642	648	654	660	666
30%	669.5	676	682.5	689	695.5	702	708.5	715	721.5

THERMAL DATA

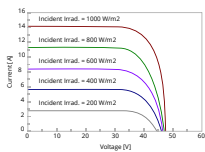
Temp. Coefficient Open-circuit Voltage	-0.28%/°C
Temp. Coefficient Open-circuit Current	0.05%/°C
Temp. Coefficient Rated Power	-0.35%/°C
NOCT (Normal operating cell Temperature)	45 °C ± 2 °C

BACK VIEW

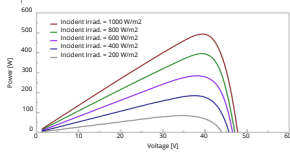
*Module dimensions with ± 2mm tolerance.



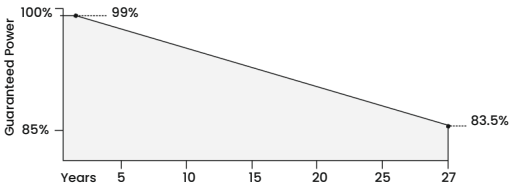
IV CURVE



PV CURVE



LINEAR PERFORMANCE WARRANTY



MECHANICAL SPECIFICATION

Solar Cell	MONO-PERC, 10BB, 144 Half-Cut
Encapsulation	High Volume resistivity and low MVTR
Backside	High Transparent backsheet
frame	Anodized Aluminium Alloy (Silver/Black).
Front glass	3.2mm, High Transmission, Low Iron, ARC Tempered Glass
Dimensions	(L) 2278 mm x (W) 1134mmx(H) 35mm
Weight	27.5 Kg
J-box	Split IP 68 certified, 03 Bypass Diodes
Cable	Solar cable 4mm², 400mm (1000mm/1200mm on customization request)
Connectors	MC4-compatible connectors
Application Class	Class A
Electrical Safety	Class II

PERMISSIBLE OPERATING CONDITIONS

Operating Temperture Range	- 40 °C To 85 °C
Max. system Voltage	1500 V DC
Maximum Snow Load Capacity	5400PA
Maximum Wind load capacity	2400PA
Resistance against hail	Max 24mm with impact Speed of 83km/h
protection Class Against Electrical Shock	II
Maximum Reverse Current	30A

PACKING CONFIGURATION

Container Lorry	20"GP	40"HQ
Module Per Pallet	28	32
Pallet Per Container	10	20
Module Per Container	280	640

** Product Specifications are subjected to change without notice
** Warranty clause can be claimed as per Solarious Energy warranty certificate