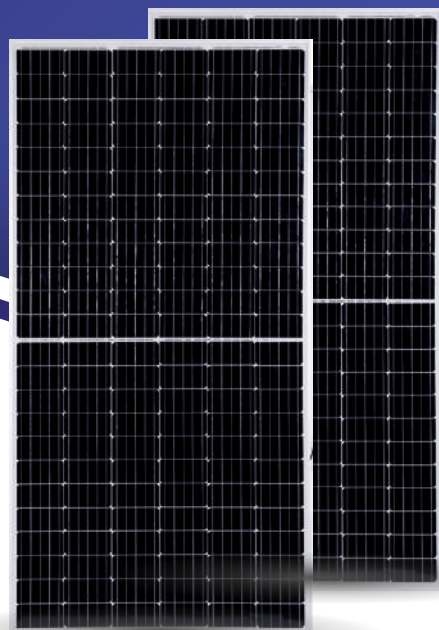




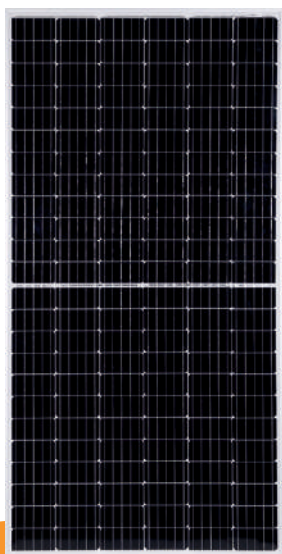
Harnessing the POWER OF SUN



GreenBrilliance Make **Mono** and **Poly** Crystalline Solar Panels

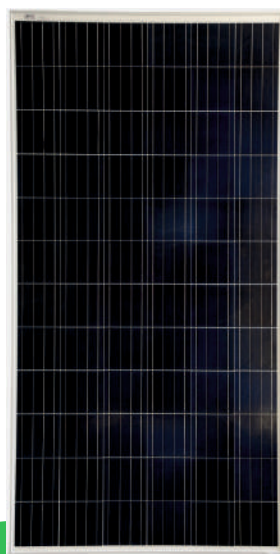
GB 144
Mono PERC Module

Best-in-class
power capacity
rating of
540Wp



GB 72
Poly Module

Best-in-class
power capacity
rating of
340Wp



IEC 61701
(Salt Mist Test)



IEC 62804
(PID)



IEC 62716
(Ammonia Test)



IEC 61853 - 1
(Power Rating Standard)



IEC EE 61215, 61730-1 & 2:2016
(Design & Safety Test)

Range of Mono Modules

- GB 72 Mono PERC - upto 400 Wp
- GB 66 Mono PERC - upto 350 Wp
- GB 60 Mono PERC - upto 320 Wp
- GB 54 Mono PERC - upto 290 Wp
- GB 36 Mono PERC - upto 180 Wp

Range of Poly Modules

- GB 72 Poly - upto 340 Wp
- GB 66 Poly - upto 305 Wp
- GB 60 Poly - upto 280 Wp
- GB 54 Poly - upto 255 Wp
- GB 36 Poly - upto 170 Wp

Range of Bifacial Modules

- GB Bifacial 72 Cells - 390/481 Wp
- GB Bifacial 60 Cells - 325/400 Wp

Range of Cut Cell Modules

- GB Cut Cell 144 Mono - upto 540 Wp
- GB Cut Cell 132 Mono - upto 500 Wp

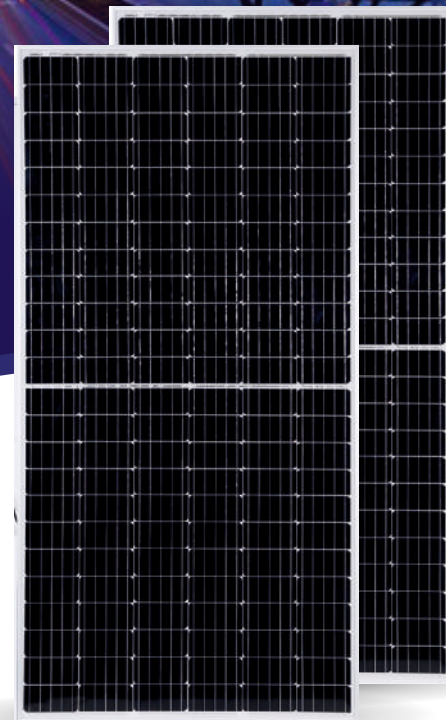
*For detailed specifications & data sheets, Please visit www.gbreenenergy.com



Plot No. 1408 GIDC Estate, Waghodia,
Vadodra-391760, GJ, India
contact@gbreenenergy.com
+91 9879614505

144 CELL MONOCRYSTALLINE SOLAR MODULE

Series 530M8 | 535M8 | 540M8 | 545M8 | 550M8

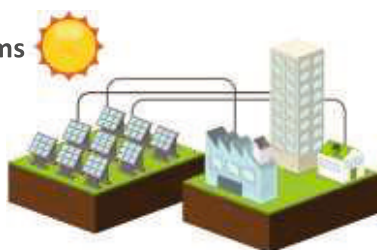


KEY FEATURES

-  Superior Price Performance of half-cell without much cost addition (1500V Design).
-  Bypass Diodes and innovative interconnection for better partial shadow performance.
-  Half cut cell reduces Hot spots and power loss.
-  IP 68 Split Junction Box for better heat dissipation.
-  Positive power tolerance upto +5 wp.

APPLICAITONS

- ◆ On-grid large scale utility systems
- ◆ On-grid rooftop residential & commercial systems
- ◆ Off-grid residential systems



QUALITY AND SAFETY

- ◆ 25 years of linear power output warranty**
- ◆ Rigorous quality control meeting the highest international standards
- ◆ 100% EL tested to ensure micro crack free modules
- ◆ Superior PID Resistance.
- ◆ Certified for salt mist corrosion resistance

Dealer Stamp

**NEED MORE
INFORMATION?**

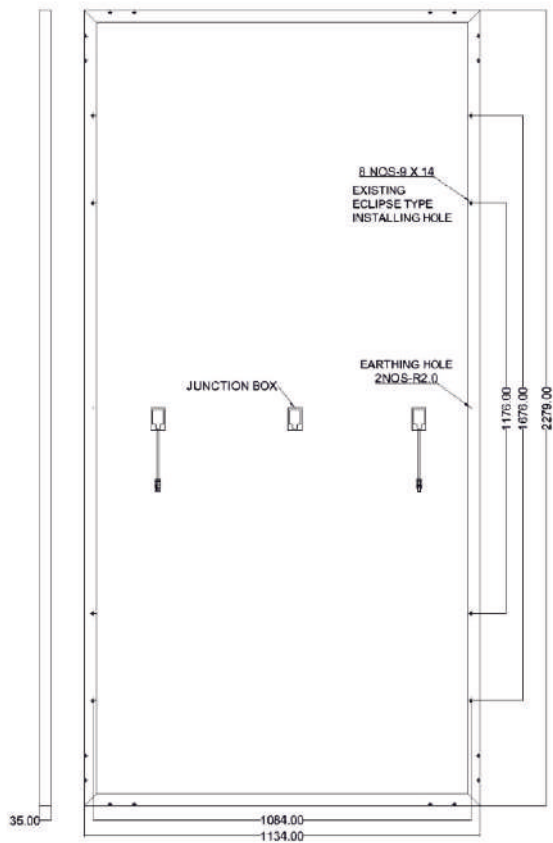
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www.epoxyhouse.com

GreenBrilliance is committed to providing high quality solar products and solar system solutions to customers worldwide.



Electrical Parameters at STC (AM 1.5, 1000 W/m², 25°C)

Peak Power - P _{max} (Wp)	530	535	540	545	550
Maximum Voltage - V _{mpp} (V)	41.28	41.51	41.7	41.92	42.11
Maximum Current - I _{mp} (A)	12.84	12.89	12.95	13	13.06
Open Circuit Voltage - V _{oc} (V)	49.61	49.87	49.95	50.04	50.28
Short Circuit Voltage - I _{sc} (A)	13.66	13.72	13.78	13.84	13.90
Module Efficiency - η (%)	20.5	20.7	20.9	21.1	21.3

Electrical Parameters at NOCT (800 W/m², 20°C, wind speed 1 m/sec)

Power (Wp)	407.16	411.01	414.85	418.69	422.53
V at P _{max} (V)	37.62	37.83	38.01	38.21	38.39
I at P _{max} (A)	10.82	10.86	10.91	10.96	11.01
V _{oc} (V)	45.8	46.04	46.12	46.2	46.42
I _{sc} (A)	11.58	11.63	11.68	11.73	11.78

Temperature Co-efficient (T_c) & Permissible Operating Conditions

T _c of Open Circuit Voltage (β)	- 0.266 %/°C
T _c of Short Circuit Current (α)	0.046 %/°C
T _c of Power (γ)	- 0.354 %/°C
Maximum System Voltage	1500 V
NOCT	45 +/- 2°C
Temperature Range	- 40°C to +85°C

Mechanical Data

Length x Width x Height	2279 mm x 1134 mm x 35 mm
Weight	28.5 Kgs
Junction Box	IP68, 3 bypass diodes
Cable & Connectors	4 sqmm 300mm length
Application Class	Class A
Glass	High transmission low iron tempered AR glass
Cells	144 mono crystalline solar cell (24 x 6)
Cell Encapsulant	EVA (Ethylene Vinyl Acetate)
Back Sheet	Composite film
Frame	Anodized AL Frame (6065-T5)
Mechanical Load Test	Snow load upto 5400Pa/ Wind load upto 2400Pa
Maximum Series Fuse Rating	25A

Packaging Information

Container	40'HC
Pieces / Container	620

Warranty and Certifications

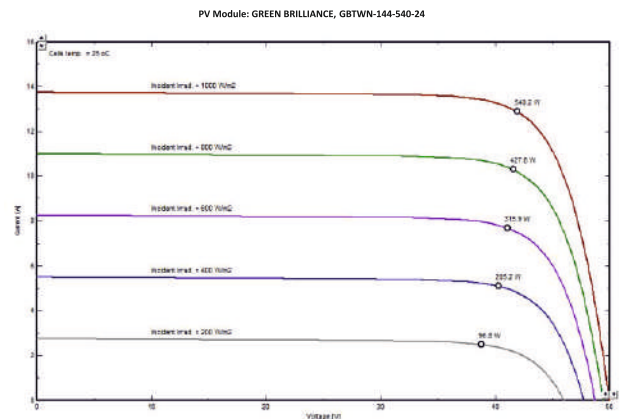
Product Warranty**	10 years
Performance Warranty**	Linear power warranty for 25 years with 2.5% for 1st
	1st year degradation and 0.75% from year 2 to year 25.
Approvals and Certifications	IEC 61215-2016*, IEC 61730-1&2*, IEC 61701*,
	IEC 62804*, IEC 62716*, UL-1703*, CE*

** Refer to GreenBrilliance warranty document for terms and conditions. *All(*) certification under progress.

Caution: Read Safety and Installation Manual before using the product.

Specification included in this datasheet are subject to change without notice. Electrical data without guarantee.

Please confirm your exact requirement with company representative while placing your order.



GreenBrilliance's Linear Performance Warranty

