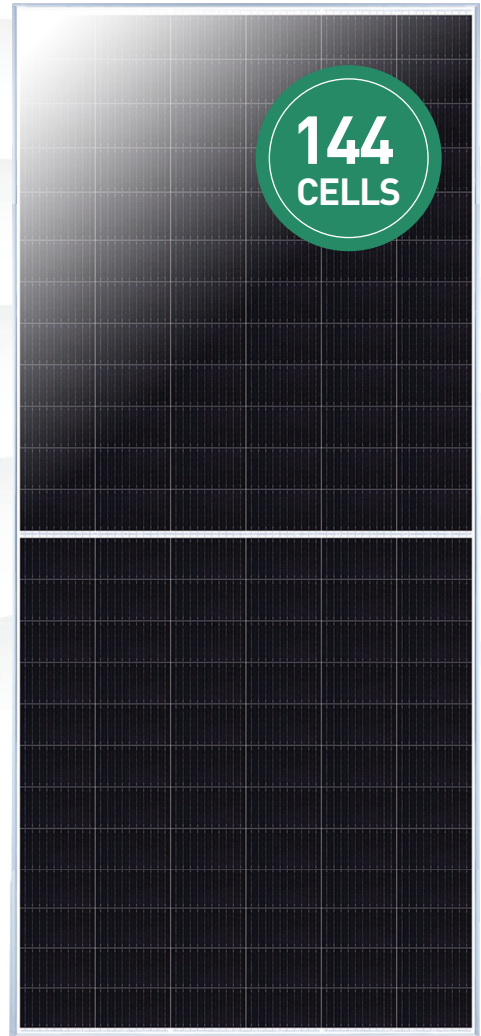


BIFACIAL TWINPLUS X MODULE SERIES

HIGH EFFICIENCY MONO-PERC BM6(R)-10B-G

535-555W



ORIGINAL CUTLESS HALF-CELL TECHNOLOGY IN PV MODULE INDUSTRY

OPTIMIZED MODULE APPEARANCE WITH SQUARE MONO WAFER

EXTRAORDINARY PRODUCT PERFORMANCE

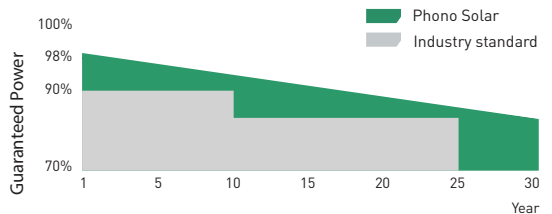
- Up to 25% additional power yield benefited from bifacial technology
- Lower power loss in cell connection and under shading conditions
- Competitive high-temperature performance with ameliorated temperature coefficient
- Higher power generation with multi-busbar and cutless half-cell technology

HIGH QUALITY RELIABILITY

- Optimized electrical design lowers hot spot risk and operating current
- Corrosion resistance guarantees enhanced reliability in harsh environments
- Minimized risk of microcrack by using Industry-leading cell cutless processing technology

PID RESISTANT

- Encapsulation with POE / dual glass and Nitrous Oxide passivation processing technology contributes to PID-free characteristic



15-year Product Warranty

30-year Linear Performance Warranty

MANAGEMENT SYSTEM CERTIFICATES

IEC 61215, IEC 61730

ISO 9001:2015 / Quality management system

ISO 14001:2015 / Standards for environmental management system

ISO 45001:2018 / International standards for occupational health & safety



Bloomberg Tier¹
NEW ENERGY FINANCE



ELECTRICAL TYPICAL VALUES

Model	1000V	PS535M8GF-24/TH		PS540M8GF-24/TH		PS545M8GF-24/TH		PS550M8GF-24/TH		PS555M8GF-24/TH	
	1500V	PS535M8GFH-24/TH		PS540M8GFH-24/TH		PS545M8GFH-24/TH		PS550M8GFH-24/TH		PS555M8GFH-24/TH	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	
Rated Power (Pmpp)	535	395	540	399	545	403	550	407	555	410	
Rated Current (Impp)	13.04	10.54	13.11	10.59	13.18	10.65	13.25	10.71	13.32	10.76	
Rated Voltage (Vmpp)	41.03	37.52	41.19	37.69	41.35	37.83	41.51	37.96	41.67	38.13	
Short Circuit Current (Isc)	13.69	11.06	13.78	11.13	13.86	11.20	13.95	11.27	14.03	11.34	
Open Circuit Voltage (Voc)	49.31	46.35	49.45	46.48	49.60	46.62	49.74	46.76	49.89	46.90	
Module Efficiency (%)	20.71		20.90		21.10		21.29		21.48		

STC(Standard Testing Conditions):Irrandance 1000W/m², AM 1.5, Cell Temperature 25°C

NOCT (Nominal Operation Cell Temperature): Irradiance 800W/m², Ambient Temperature 20°C, Spectra at AM1.5, Wind at 1m/S

BIFACIAL ELECTRICAL VALUES

5%	Maximum Power (W)	554	559	564	569	574
	Module Efficiency (%)	21.44	21.64	21.84	22.04	22.24
15%	Maximum Power (W)	591	597	602	608	613
	Module Efficiency (%)	22.88	23.10	23.31	23.53	23.74
25%	Maximum Power (W)	629	635	640	646	652
	Module Efficiency (%)	24.33	24.56	24.79	25.02	25.24

MECHANICAL CHARACTERISTICS

Cell Type	Monocrystalline 182mm x 91mm
	Length: 2278mm [89.69 inch]
Dimension (Lx W x H)	Width: 1134mm [44.65 inch] Height: 30mm [1.18 inch]
Weight	33.0kg [72.75 lbs]
Front/Back Glass	2.0/2.0 Toughened Glass
Frame	Anodized Aluminium Alloy
Cable	4mm ² (IEC), (+):450mm,(-):250mm or Customized Length
Junction Box	IP 68 Rated

TEMPERATURE RATINGS

Voltage Temperature Coefficient	-0.30%/°C
Current Temperature Coefficient	+0.05%/°C
Power Temperature Coefficient	-0.38%/°C
Tolerance	0~+5w
NOCT	45±2°C
Bifaciality	70±5%

ABSOLUTE MAXIMUM RATING

Operating Temperature	From -40 to +85°C
Hail Diameter @ 80km/h	Up to 25mm
Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Maximum Series Fuse Rating	30A
PV Module Classification	II
Fire Rating (IEC 61730)	C
Maximum System Voltage	DC 1000V/1500V

PACKING CONFIGURATION

Container	20' GP	40' HQ
Pieces/Container	180	720

ELECTRICAL CHARACTERISTICS

