

BIFACIAL TWINPLUS MODULE SERIES

HIGH EFFICIENCY MONO-PERC BM-5B-G

305-325W



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

HIGH QUALITY RELIABILITY

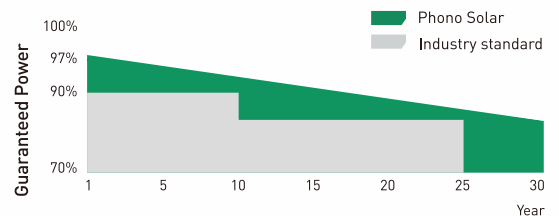
- ◆ Optimized electrical design lowers hot spot risk and operating current
- ◆ Corrosion resistance guarantees enhanced reliability in harsh environments
- ◆ Minimized Risk of microcrack and snail trail

EASY INSTALLATION

- ◆ Framed design improves mounting and racking method compatibility
- ◆ Safer and easier handling during transportation and installation

PID RESISTANT

- ◆ Encapsulation with POE and dual glass contributes to PID-free characteristic



12-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

OHSAS 18001:2007 / International standards for occupational health & safety

IEC TS 62941: 2016 Terrestrial photovoltaic (PV) modules-guidelines for increased confidence in PV module design qualification and type approval

Bloomberg Tier1
NEW ENERGY FINANCE



ELECTRICAL TYPICAL VALUES

Model	PS305MGF-20/UH		PS310MGF-20/UH		PS315MGF-20/UH		PS320MGF-20/UH		PS325MGF-20/UH	
	PS305MGFH-20/UH	PS310MGFH-20/UH	PS310MGFH-20/UH	PS315MGFH-20/UH	PS315MGFH-20/UH	PS320MGFH-20/UH	PS320MGFH-20/UH	PS325MGFH-20/UH	PS325MGFH-20/UH	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated Power (Pmpp)	305	221	310	224	315	228	320	231	325	235
Rated Current (Impp)	9.24	7.47	9.28	7.50	9.32	7.53	9.36	7.56	9.40	7.60
Rated Voltage (Vmpp)	33.01	29.54	33.41	29.90	33.80	30.25	34.19	30.60	34.58	30.95
Short Circuit Current (Isc)	9.52	7.69	9.58	7.74	9.64	7.79	9.71	7.85	9.77	7.89
Open Circuit Voltage (Voc)	40.45	37.60	40.90	38.02	41.30	38.39	41.65	38.72	42.05	39.09
Module Efficiency (%)	18.15		18.45		18.74		19.04		19.34	

STC(Standard Testing Conditions):Irradance 1000W/m², AM 1.5G, Cell Temperature 25m²

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)	316	321	326	331	336
	Module Efficiency (%)	18.78	19.09	19.40	19.71	20.01
15%	Maximum Power (W)	337	343	348	354	359
	Module Efficiency (%)	20.05	20.38	20.71	21.04	21.37
25%	Maximum Power (W)	358	364	370	376	382
	Module Efficiency (%)	21.32	21.67	22.02	22.37	22.72

MECHANICAL CHARACTERISTICS

Cell Type	Monocrystalline 156.75mm x 78.375mm
	Length: 1684mm (66.30 inch)
Dimension (L x W x H)	Width: 998mm (39.29 inch) Height: 30mm (1.18 inch)
Weight	23kg (50.71 lbs)
Front Glass	2.0mm/2.0mm toughened glass
Frame	Anodized Aluminium Alloy
Cable	4mm ² (IEC) , Length:350mm (vertical) 1150mm (horizontal) 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	43±2°C

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	20A
PV Module Classification	II
Fire Rating (IEC 61730)	C
Maximum System Voltage	DC 1000V/1500V

PACKING CONFIGURATION

Container	20' GP	40' HQ
Pieces/Container	330	910

ELECTRICAL CHARACTERISTICS

