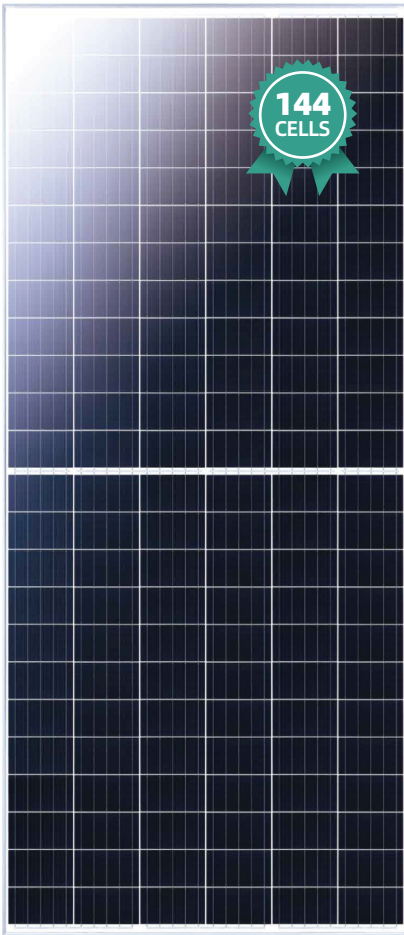


395-410W

Bifacial TwinPlus Module Series

HIGH EFFICIENCY MONO-PERC BM1-5BB-T



Bloomberg
NEW ENERGY FINANCE

Tier1



Extraordinary Product Performance

- Up to 30% 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 half-cut technology

High Quality Reliability

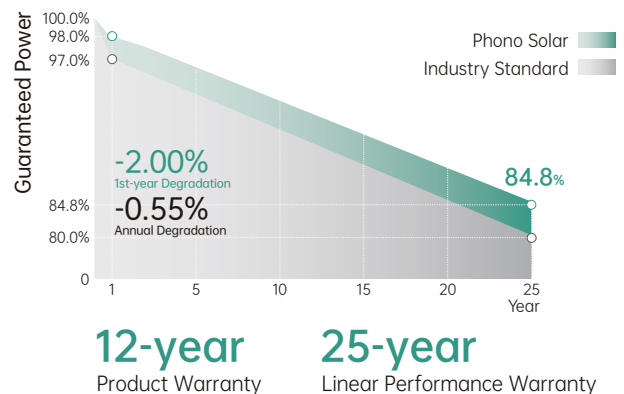
- Optimized electrical design lowers hot spot risk and operating current
- Corrosion resistance guarantees enhanced reliability in harsh environments
- Minimized Risk of microcrack and snail trail

Easy Installation

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

PID Resistant

- Industry-leading cell processing technology and electrical design ensure solid PID resistance



MANAGEMENT SYSTEM CERTIFICATES

IEC 61215, IEC 61730

ISO 9001
2015 / Quality management system

ISO 14001
2015 / Standards for environmental management system

ISO 45001
2018 / Occupational health & safety management system

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



Electrical Typical Values

Model	1000V	PS395M3F-24/TH	PS400M3F-24/TH	PS405M3F-24/TH	PS410M3F-24/TH
	1500V	PS395M3FH-24/TH	PS400M3FH-24/TH	PS405M3FH-24/TH	PS410M3FH-24/TH
Testing Condition	STC		STC	STC	STC
Rated Power (Pmpp)	395		400	405	410
Rated Current (Impp)	9.75		9.80	9.85	9.90
Rated Voltage (Vmpp)	40.52		40.82	41.12	41.42
Short Circuit Current (Isc)	10.11		10.16	10.21	10.26
Open Circuit Voltage (Voc)	49.72		49.92	50.12	50.32
Module Efficiency (%)	19.27		19.51	19.75	19.99

STC(Standard Testing Conditions): Irradiance 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

Electrical Characteristics With Different Power Bin

5%	Maximum Power (W)	414.75	420	425.25	430.50
	Module Efficiency (%)	20.23	20.92	20.74	20.99
10%	Maximum Power (W)	434.50	440	445.50	451
	Module Efficiency (%)	21.19	21.92	21.73	21.99
20%	Maximum Power (W)	474	480	486	492
	Module Efficiency (%)	23.12	23.92	23.70	23.99
30%	Maximum Power (W)	513.5	520	526.50	533
	Module Efficiency (%)	25.05	25.92	25.68	25.99

Mechanical Characteristics

Cell Type	Monocrystalline 158.75mm x 79.38mm
Dimension (L × W × H)	Length: 2030mm (79.92 inch)
	Width: 1010mm (39.76 inch)
	Height: 30mm (1.18 inch)
Weight	24.0kg (52.9 lbs)
Glass	3.2mm Toughened Glass
Frame	Anodized Aluminium Alloy
Cable (Including Connector)	4mm ² (IEC), (+): 350mm,(-): 1250mm or Customized Length <small>*The requested cable length must be specified before the offer.</small>
Junction Box	IP 68 Rated
Backsheet	Transparent Mesh Backsheet

Temperature Ratings

Voltage Temperature Coefficient	-0.269%/°C
Current Temperature Coefficient	+0.04%/°C
Power Temperature Coefficient	-0.344%/°C
Tolerance	0~+5w
NOCT	43±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
Maximum Series Fuse Rating	20A
PV Module Classification	II
Fire Rating (IEC61730)	C
Maximum System Voltage	DC 1000V/1500V

Packing Configuration

Container	20' GP	40' HQ
Pieces/Container	312	624

Electrical Characteristics

