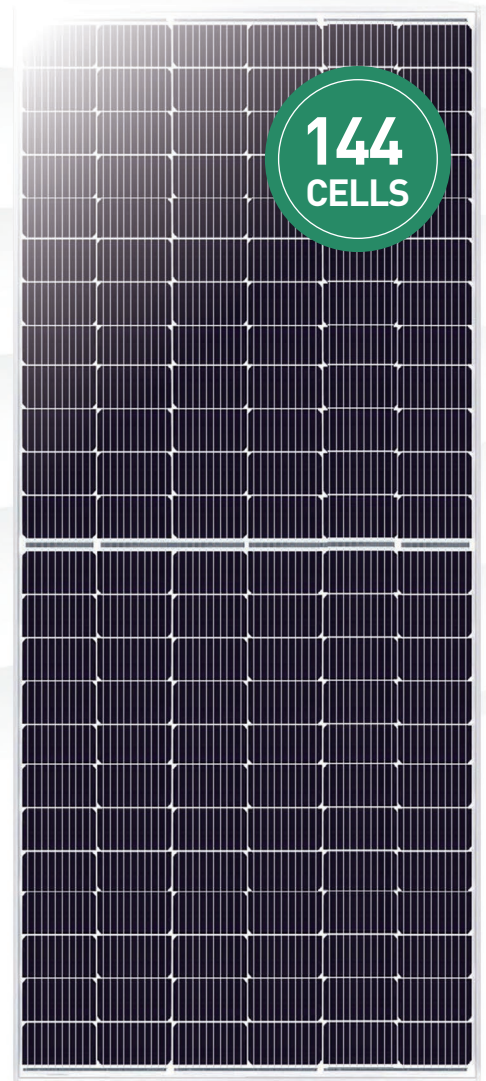


# TWINPLUS MODULE SERIES

HIGH EFFICIENCY MONO-PERC BM6-10B-T

## 540-560W



### 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 half-cut technology

### HIGH QUALITY RELIABILITY

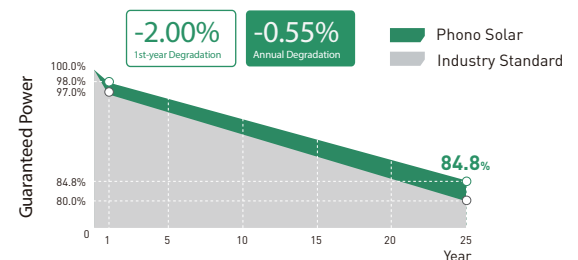
- Optimized electrical design lowers hot spot risk and operating current
- Corrosion resistance guarantees enhanced reliability in harsh environments
- Minimized Risk of microcrack and snail trail

### 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 ensures solid PID resistance



12-year Product Warranty | 25-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	PS540M8-24/TH		PS545M8-24/TH		PS550M8-24/TH		PS555M8-24/TH		PS560M8-24/TH	
	1500V	PS540M8H-24/TH		PS545M8H-24/TH		PS550M8H-24/TH		PS555M8H-24/TH		PS560M8H-24/TH	
Testing Condition		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated Power (P <sub>mpp</sub> )		540	402	545	405	550	409	555	413	560	417
Rated Current (I <sub>mpp</sub> )		13.06	10.55	13.15	10.63	13.24	10.70	13.33	10.77	13.42	10.84
Rated Voltage (V <sub>mpp</sub> )		41.35	38.07	41.45	38.16	41.55	38.25	41.64	38.34	41.73	38.42
Short Circuit Current (I <sub>sc</sub> )		13.62	11.00	13.72	11.09	13.82	11.17	13.92	11.25	14.02	11.33
Open Circuit Voltage (V <sub>oc</sub> )		49.39	46.62	49.49	46.72	49.59	46.81	49.69	46.91	49.79	47.00
Module Efficiency (%)		20.90		21.10		21.29		21.48		21.68	

STC(Standard Testing Conditions):Irradiance 1000W/m<sup>2</sup>, AM 1.5, Cell Temperature 25°C

NOCT (Nominal Operation Cell Temperature): Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Spectra at AM1.5, Wind at 1m/s

## ELECTRICAL CHARACTERISTICS WITH DIFFERENT POWER BIN

5%	Maximum Power (W)	559	564	569	574	580
	Module Efficiency (%)	21.64	21.84	22.04	22.24	22.44
15%	Maximum Power (W)	597	602	608	613	619
	Module Efficiency (%)	23.10	23.31	23.53	23.74	23.95
25%	Maximum Power (W)	635	640	646	652	658
	Module Efficiency (%)	24.56	24.79	25.02	25.24	25.47

## MECHANICAL CHARACTERISTICS

Cell Type	Monocrystalline 182mm x 91mm
Dimension (L x W x H)	Length: 2278mm (89.69 inch)
	Width: 1134mm (44.65 inch)
	Height: 35mm (1.38 inch)
Weight	28.0kg (61.72 lbs)
Front Glass	3.2mm Toughened Glass
Frame	Anodized Aluminium Alloy
Cable (Including Connector)	4mm <sup>2</sup> (IEC), (+):450mm,(-):250mm or Customized Length
Junction Box	IP 68 Rated

## TEMPERATURE RATINGS

Voltage Temperature Coefficient	-0.28%/°C
Current Temperature Coefficient	+0.05%/°C
Power Temperature Coefficient	-0.35%/°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	155	620

## ELECTRICAL CHARACTERISTICS

