

# 540-560w

## Twinplus Module Series

HIGH EFFICIENCY MONO-PERC BM6-10B-T

**Bloomberg**  
NEW ENERGY FINANCE

**Tier1**



### 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

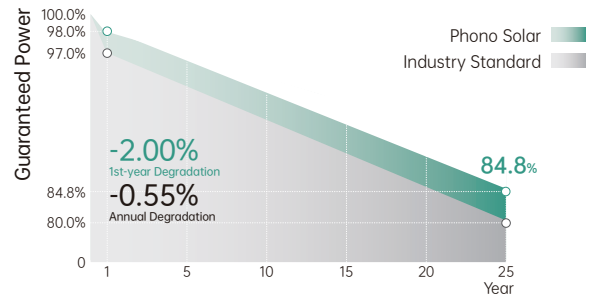
- Optimized electrical design lowers hot spot risk and operating current
- Corrosion resistance guarantees enhanced reliability in harsh environments
- Minimized Risk of microcrack and snail trail

### 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

## 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	STC	NOCT
Rated Power (Pmpp)	540	402	545	405	550	409	555	413	560	417	560	417
Rated Current (Imp)	13.06	10.55	13.15	10.63	13.24	10.70	13.33	10.77	13.42	10.84	13.42	10.84
Rated Voltage (Vmpp)	41.35	38.07	41.45	38.16	41.55	38.25	41.64	38.34	41.73	38.42	41.73	38.42
Short Circuit Current (Isc)	13.62	11.00	13.72	11.09	13.82	11.17	13.92	11.25	14.02	11.33	14.02	11.33
Open Circuit Voltage (Voc)	49.39	46.62	49.49	46.72	49.59	46.81	49.69	46.91	49.79	47.00	49.79	47.00
Module Efficiency (%)	20.90		21.10		21.29		21.48		21.68		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)
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%

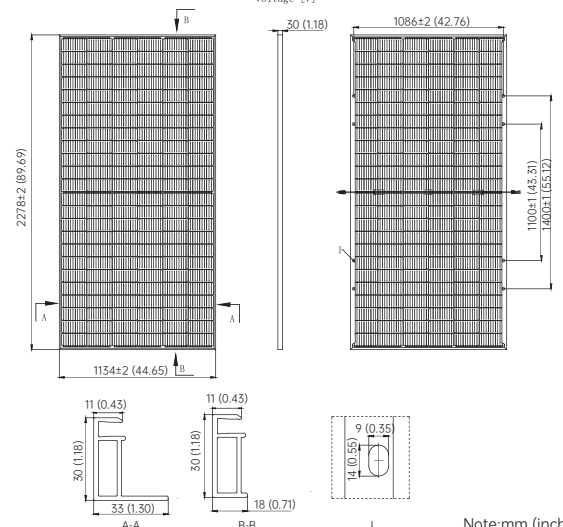
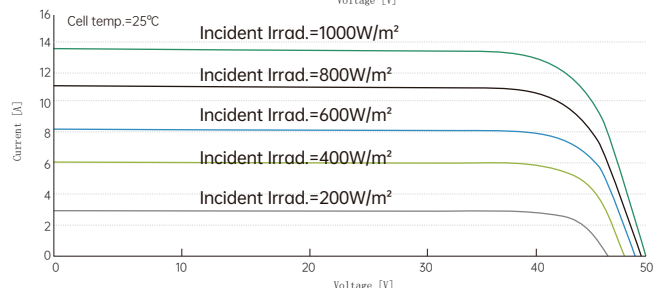
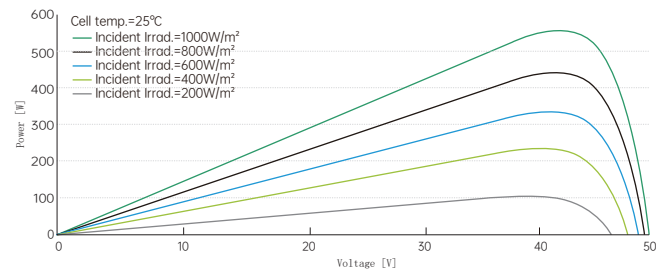
## Absolute Maximum Rating

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 (IEC61730)	C
Maximum System Voltage	DC 1000V/1500V

## Packing Configuration

Container	20' HQ	40' HQ
Pieces/Container	155	620

## Electrical Characteristics



Note:mm (inch)