



PHONO

535-555W

Bifacial Twinplus Module Series

HIGH EFFICIENCY MONO-PERC BM6-10B-T

Bloomberg
NEW ENERGY FINANCE

Tier1



Outstanding Product Performance

- Competitive high-temperature performance with ameliorated temperature coefficient
- Minimized power loss in cell connection
- Better performance under shading effect
- Decreased nominal operating cell temperature to $45 \pm 2^\circ\text{C}$
- Higher power generation with multi-busbar and half-cut technology

Trustworthy Quality And Reliability

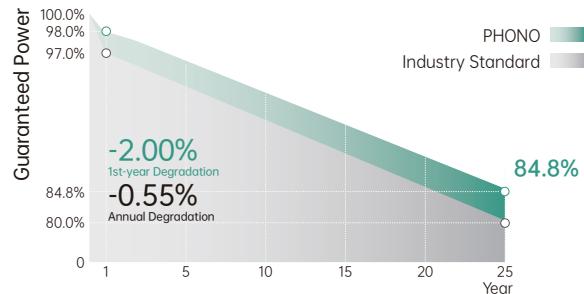
- Guaranteed 0~+3% positive tolerance secures reliable power output
- 5400Pa maximum snow load, 2400Pa maximum wind load
- Optimized electrical design lowers hot spot risk and operating current

Wider Application

- Suitable for agricultural projects benefit from its light transmittance

PID Resistant

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



12-year
Product Warranty

25-year
Linear Performance Warranty

MANAGEMENT SYSTEM CERTIFICATES

IEC 61215, IEC 61730, UL 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	1500V	PS535M8H-24/TH	PS540M8H-24/TH	PS545M8H-24/TH	PS550M8H-24/TH	PS555M8H-24/TH
Testing Condition	STC	STC	STC	STC	STC	STC
Rated Power (Pmpp)	535	540	545	550	555	555
Rated Current (Impp)	12.90	12.97	13.04	13.11	13.18	13.18
Rated Voltage (Vmpp)	41.50	41.65	41.80	41.95	42.09	42.09
Short Circuit Current (Isc)	13.78	13.85	13.92	13.99	14.02	14.02
Open Circuit Voltage (Voc)	49.35	49.50	49.65	49.80	49.95	49.95
Module Efficiency (%)	20.91	21.11	21.30	21.50	21.69	21.69

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

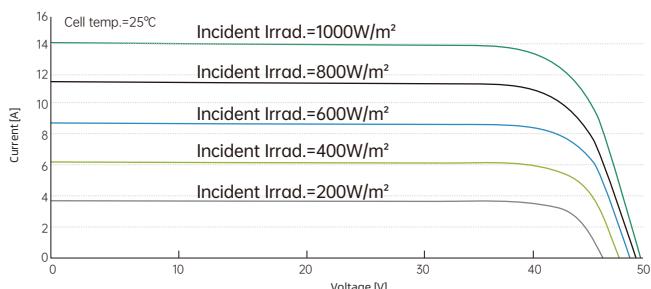
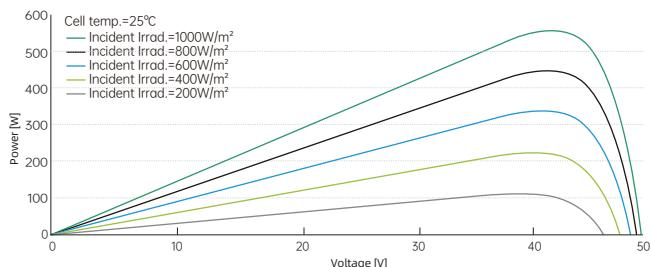
Bifacial Output-Rearside Power Gain

5%	Maximum Power (Pmax)	562	567	572	578	583
	Module Efficiency STC(%)	21.96	22.16	22.37	22.57	22.78
15%	Maximum Power (Pmax)	615	621	627	633	638
	Module Efficiency STC(%)	23.86	24.08	24.30	24.53	24.75
25%	Maximum Power (Pmax)	669	675	681	688	694
	Module Efficiency STC(%)	25.93	26.18	26.42	26.66	26.90

Mechanical Characteristics

Cell Type	Monocrystalline
Dimension (L × W × H)	Length: 2278 (89.69 inch) Width: 1134mm (44.65 inch) Height: 35mm (1.38 inch)
Weight	27.2kg (59.96 lbs)
Superstructure	High Transmission, Low Iron & Semi-Tempered Glass
Frame & Installation	Anodized Aluminium Profile
Connector	Compatible with MC4 & customized assignment
Junction Box	300 mm in length or customized length

Electrical Characteristics



Temperature Ratings

Voltage Temperature Coefficient	-0.284%/°C
Current Temperature Coefficient	+0.050%/°C
Power Temperature Coefficient	-0.350%/°C
Power Sorting	0~+3%
NOCT	45±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	30A
PV Module Classification	II
Fire Rating (UL61730)	Type 1
Maximum System Voltage	1500VDC

Packing Configuration

Container	20' GP	40' HC
Pallets per Container	5	20
Pieces per Container	155	620

