



535-555W

TwinPlus Module Series

HIGH EFFICIENCY MONO-PERC M6-10B-R

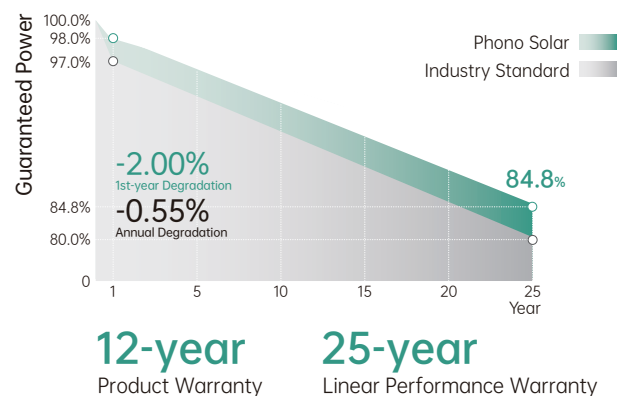
Bloomberg
NEW ENERGY FINANCE

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~+5W positive tolerance secures reliable power output
- 5400Pa maximum snow load, 2400Pa maximum wind load
- Optimized electrical design lowers hot spot risk and operating current

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 / International standards for occupational health & safety



Electrical Typical Values

Model	1000V	PS535M6-24/TH		PS540M6-24/TH		PS545M6-24/TH		PS550M6-24/TH		PS555M6-24/TH	
	1500V	PS535M6H-24/TH		PS540M6H-24/TH		PS545M6H-24/TH		PS550M6H-24/TH		PS555M6H-24/TH	
Testing Condition		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated Power (P _{mp})		535	398	540	402	545	405	550	409	555	413
Rated Current (I _{mp})		12.97	10.48	13.06	10.55	13.15	10.63	13.24	10.70	13.33	10.77
Rated Voltage (V _{mp})		41.25	37.98	41.35	38.07	41.45	38.16	41.55	38.25	41.64	38.34
Short Circuit Current (I _{sc})		13.52	10.92	13.62	11.00	13.72	11.09	13.82	11.17	13.92	11.25
Open Circuit Voltage (V _{oc})		49.29	46.53	49.39	46.62	49.49	46.72	49.59	46.81	49.69	46.91
Module Efficiency (%)		20.71		20.90		21.10		21.29		21.48	

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

Mechanical Characteristics

Cell Type	Monocrystalline 182mm x 91mm
Dimension (L × W × 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 ² (IEC), (+): 450mm,(-): 250mm or Customized Length
	*The requested cable length must be specified before the offer.
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

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	25A
PV Module Classification	II
Fire Rating (IEC61730)	C
Maximum System Voltage	DC 1000V/1500V

Packing Configuration

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

Electrical Characteristics

