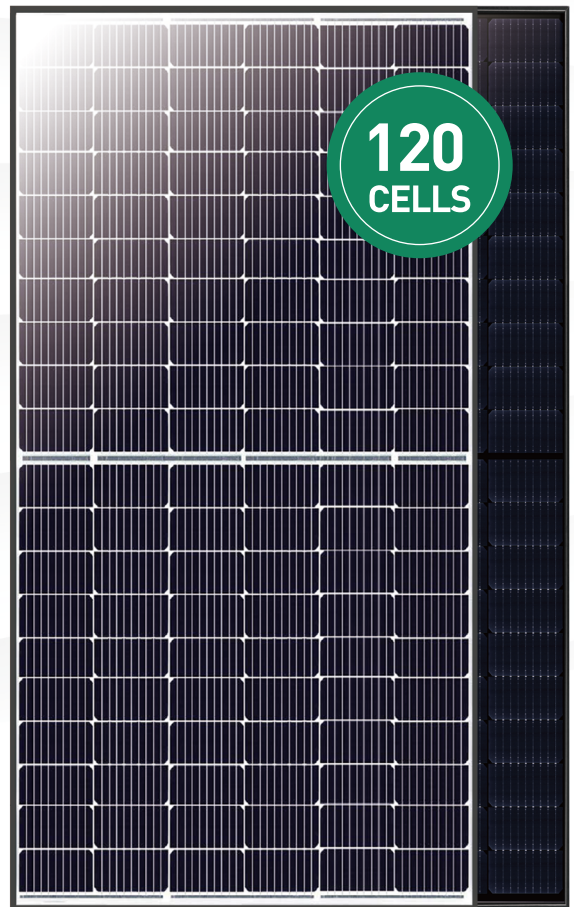


# TWINPLUS MODULE SERIES

HIGH EFFICIENCY MONO-PERC M4-9B-R

# 370-390W



## OUTSTANDING PRODUCT PERFORMANCE

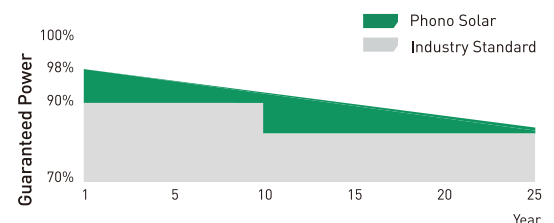
- Competitive high-temperature performance with ameliorated temperature coefficient
- Minimized power loss in cell connection
- Better performance under shading effect
- Decreased nominal operating cell temperature to  $45 \pm 2^{\circ}\text{C}$
- Higher power generation with multi-busbar and half-cut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



15-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 Tier<sup>1</sup>  
NEW ENERGY FINANCE



## ELECTRICAL TYPICAL VALUES

Model	1000V		PS370M4-20/UH		PS375M4-20/UH		PS380M4-20/UH		PS385M4-20/UH		PS390M4-20/UH	
	1500V		PS370M4H-20/UH		PS375M4H-20/UH		PS380M4H-20/UH		PS385M4H-20/UH		PS390M4H-20/UH	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated Power (P <sub>mpp</sub> )	370	275	375	279	380	283	385	286	390	290		
Rated Current (I <sub>mpp</sub> )	10.82	8.74	10.89	8.80	10.96	8.86	11.03	8.91	11.10	8.97		
Rated Voltage (V <sub>mpp</sub> )	34.20	31.49	34.44	31.71	34.68	31.93	34.91	32.14	35.14	32.35		
Short Circuit Current (I <sub>sc</sub> )	11.31	9.14	11.40	9.21	11.49	9.28	11.58	9.36	11.69	9.45		
Open Circuit Voltage (V <sub>oc</sub> )	40.97	38.68	41.18	38.87	41.37	39.05	41.56	39.23	41.74	39.40		
Module Efficiency (%)	20.21		20.48		20.76		21.03		21.30			

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

## MECHANICAL CHARACTERISTICS

Cell Type	Monocrystalline 166mm x 83mm
Dimension (L× W × H)	Length: 1762mm (69.37 inch)
	Width: 1039mm (40.91 inch)
	Height: 30mm (1.18 inch)
Weight	20.5kg (45.19 lbs)
Front Glass	3.2mm Toughened Glass
Frame	Anodized Aluminium Alloy
Connector	MC4 (1000V) EVO2 (1500V)
Cable (Including Connector)	4mm <sup>2</sup> (IEC), [+]:1100mm,[-]:1100mm
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	20A
PV Module Classification	II
Fire Rating (IEC 61730)	C
Maximum System Voltage	DC 1500V/1000V

## PACKING CONFIGURATION

Container	20' GP	40' HQ
Pieces/Container	336	936

## ELECTRICAL CHARACTERISTICS

