

# 370-390w

## Twinplus Module Series

HIGH EFFICIENCY MONO-PERC M4-9B-R

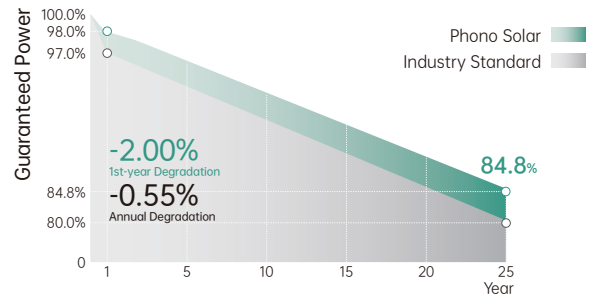
**Bloomberg**  
NEW ENERGY FINANCE

**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



**12-year**  
Product Warranty

**25-year**  
Linear Performance Warranty

### 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		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 (Pmpp)	370	276	375	280	380	283	385	287	390	291		
Rated Current (Impp)	10.82	8.73	10.89	8.79	10.96	8.85	11.03	8.90	11.10	8.96		
Rated Voltage (Vmpp)	34.20	31.59	34.44	31.81	34.68	32.03	34.91	32.24	35.14	32.45		
Short Circuit Current (Isc)	11.31	9.13	11.40	9.20	11.49	9.27	11.58	9.35	11.69	9.44		
Open Circuit Voltage (Voc)	40.97	38.76	41.18	38.96	41.37	39.14	41.56	39.32	41.74	39.49		
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
Dimension (L × W × H)	Length: 1762mm (69.37 inch) Width: 1039mm (40.91 inch) Height: 30mm (1.18 inch)
Weight	20.0kg (44.09 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	-0.27%/°C
Current Temperature Coefficient	+0.045%/°C
Power Temperature Coefficient	-0.34%/°C
Tolerance	0~+3%
NOCT	45±2°C

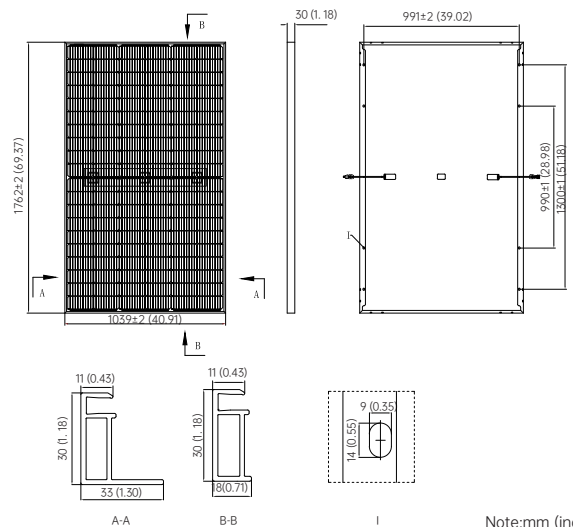
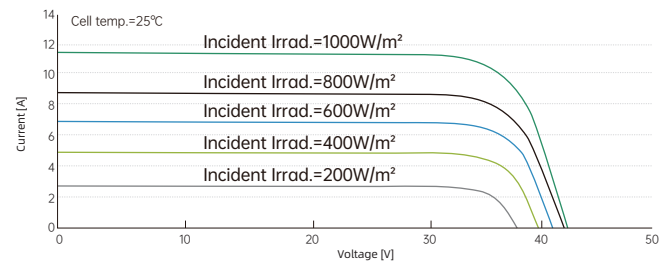
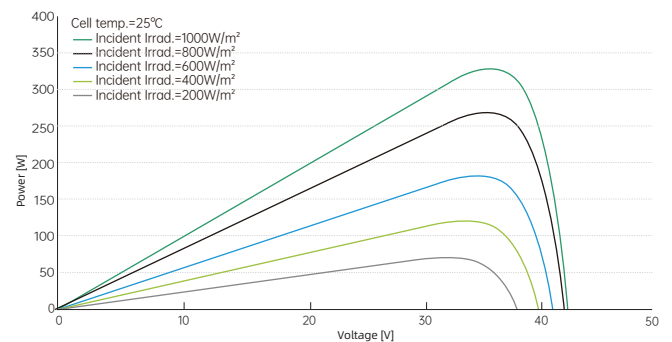
## Absolute Maximum Rating

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	20A
PV Module Classification	II
Fire Rating (IEC61730)	C
Maximum System Voltage	DC 1000V/1500V

## Packing Configuration

Container	20' GP	40' HQ
Pieces/Container	336	936
Pcs/Pallet	56	36
Pallets/Container	6	26

## Electrical Characteristics



Note:mm (inch)



PHONO SOLAR TECHNOLOGY CO., LTD. reserves the right to make necessary adjustments to the information described herein at any time without further notice. The specifications and certificates contained in this datasheet may deviate slightly from our actual products due to the on-going innovation and product enhancement. Please be sure to use the most recent version of data.