

# TWINPLUS MODULE SERIES

HIGH EFFICIENCY MONO-PERC M4-9B-R

# 360-380W



## OUTSTANDING PRODUCT PERFORMANCE

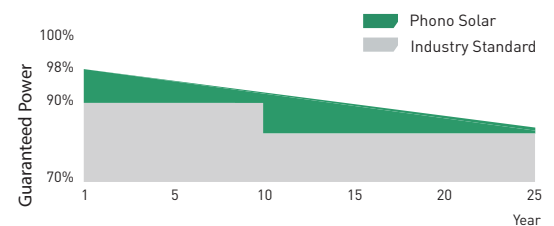
- Competitive high-temperature performance with ameliorated temperature coefficient
- Minimized power loss in cell connection
- Better performance under shading effect
- Decreased nominal operating cell temperature to  $45 \pm 2^{\circ}\text{C}$
- Higher power generation with multi-busbar and half-cut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



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



Bloomberg Tier<sup>1</sup>  
NEW ENERGY FINANCE



## ELECTRICAL TYPICAL VALUES

| Model                       | PS360M4-20/UH  |       | PS365M4-20/UH  |       | PS370M4-20/UH  |       | PS375M4-20/UH  |       | PS380M4-20/UH  |       |
|-----------------------------|----------------|-------|----------------|-------|----------------|-------|----------------|-------|----------------|-------|
|                             | PS360M4H-20/UH |       | PS365M4H-20/UH |       | PS370M4H-20/UH |       | PS375M4H-20/UH |       | PS380M4H-20/UH |       |
| Testing Condition           | STC            | NOCT  | STC            | NOCT  | STC            | NOCT  | STC            | NOCT  | STC            | NOCT  |
| Rated Power (Pmpp)          | 360            | 268   | 365            | 272   | 370            | 275   | 375            | 279   | 380            | 283   |
| Rated Current (Impp)        | 10.68          | 8.63  | 10.75          | 8.69  | 10.82          | 8.74  | 10.89          | 8.80  | 10.96          | 8.86  |
| Rated Voltage (Vmpp)        | 33.71          | 31.04 | 33.96          | 31.26 | 34.20          | 31.49 | 34.44          | 31.71 | 34.68          | 31.93 |
| Short Circuit Current (Isc) | 11.15          | 9.01  | 11.23          | 9.07  | 11.31          | 9.14  | 11.40          | 9.21  | 11.49          | 9.28  |
| Open Circuit Voltage (Voc)  | 40.69          | 38.41 | 40.81          | 38.52 | 40.97          | 38.68 | 41.18          | 38.87 | 41.37          | 39.05 |
| Module Efficiency (%)       | 19.66          |       | 19.94          |       | 20.21          |       | 20.48          |       | 20.76          |       |

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                         | 20.0kg (44.09 lbs)  |
| Front Glass                    | 3.2mm Toughened Glass   |
| Frame                          | Anodized Aluminium Alloy  |
| Cable<br>(Including Connector) | 4mm <sup>2</sup> (IEC),<br>[+]: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    |

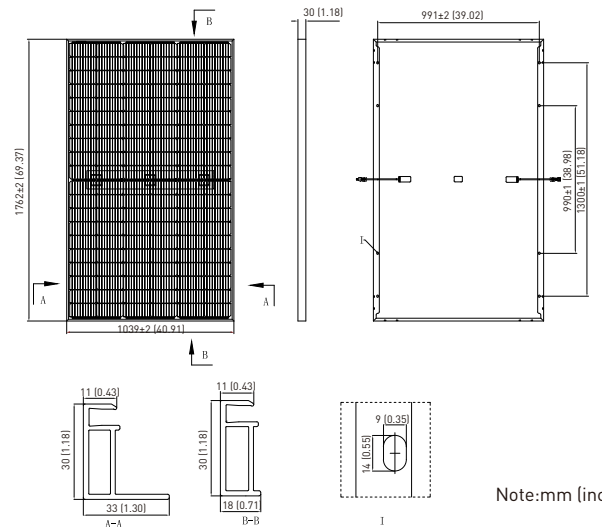
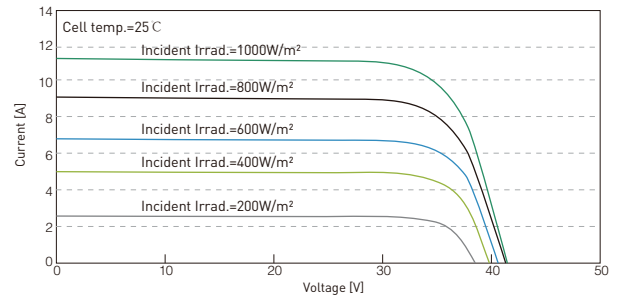
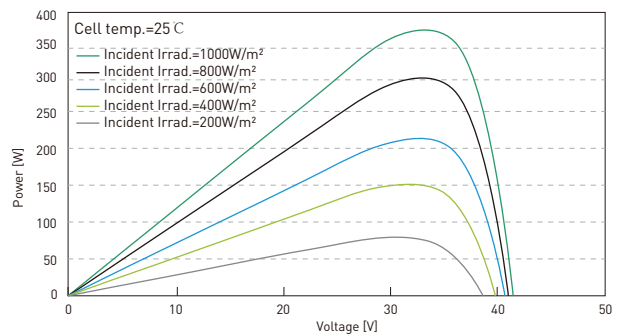
## ABSOLUTE MAXIMUM RATING

|                                   |                   |
|-----------------------------------|-------------------|
| 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 | 306    | 806    |

## ELECTRICAL CHARACTERISTICS



Note:mm (inch)