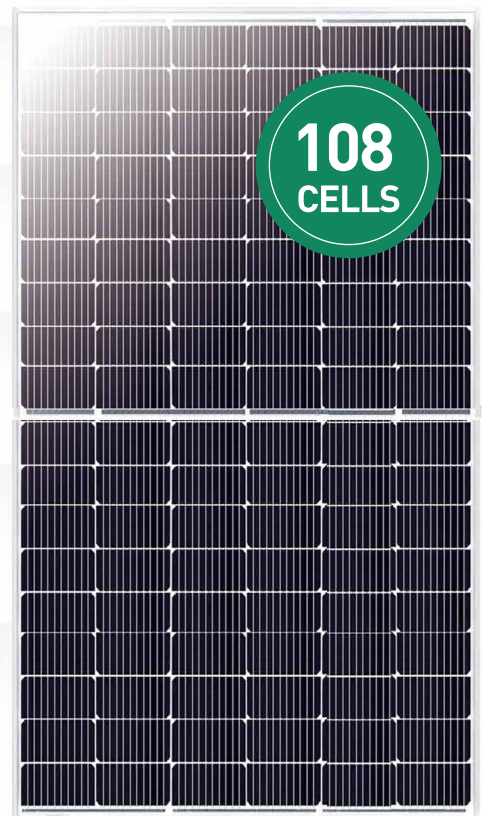


# TWINPLUS MODULE SERIES

HIGH EFFICIENCY MONO-PERC M6-10B-R

# 395-415W



## OUTSTANDING PRODUCT PERFORMANCE

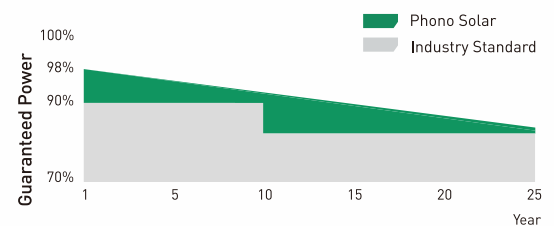
- Competitive high-temperature performance with ameliorated temperature coefficient
- Minimized power loss in cell connection
- Better performance under shading effect
- Decreased nominal operating cell temperature to  $45 \pm 2^{\circ}\text{C}$
- Higher power generation with multi-busbar and half-cut 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                       | 1000V |       | PS395M6-18/VH  |       | PS400M6-18/VH  |       | PS405M6-18/VH  |       | PS410M6-18/VH  |       | PS415M6-18/VH  |      |
|-----------------------------|-------|-------|----------------|-------|----------------|-------|----------------|-------|----------------|-------|----------------|------|
|                             | 1500V |       | PS395M6H-18/VH |       | PS400M6H-18/VH |       | PS405M6H-18/VH |       | PS410M6H-18/VH |       | PS415M6H-18/VH |      |
| Testing Condition           | STC   | NOCT  | STC            | NOCT  | STC            | NOCT  | STC            | NOCT  | STC            | NOCT  | STC            | NOCT |
| Rated Power (Pmpp)          | 395   | 294   | 400            | 298   | 405            | 301   | 410            | 305   | 415            | 309   |                |      |
| Rated Current (Impp)        | 12.88 | 10.41 | 12.97          | 10.48 | 13.06          | 10.55 | 13.15          | 10.63 | 13.24          | 10.70 |                |      |
| Rated Voltage (Vmpp)        | 30.67 | 28.24 | 30.85          | 28.40 | 31.02          | 28.55 | 31.18          | 28.71 | 31.35          | 28.86 |                |      |
| Short Circuit Current (Isc) | 13.42 | 10.84 | 13.52          | 10.92 | 13.62          | 11.00 | 13.72          | 11.09 | 13.82          | 11.17 |                |      |
| Open Circuit Voltage (Voc)  | 36.67 | 34.62 | 36.87          | 34.81 | 37.05          | 34.98 | 37.23          | 35.15 | 37.42          | 35.32 |                |      |
| Module Efficiency (%)       | 20.23 |       | 20.48          |       | 20.74          |       | 21.00          |       | 21.25          |       |                |      |

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 182mm x 91mm                                        |
| Dimension (L× W × H)           | Length: 1722mm (67.80 inch)                                         |
|                                | Width: 1134mm (44.65 inch)                                          |
|                                | Height: 30mm (1.18 inch)                                            |
| Weight                         | 22.0kg (45.80 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        | 25A               |
| PV Module Classification          | II                |
| Fire Rating (IEC 61730)           | C                 |
| Maximum System Voltage            | DC 1000V/1500V    |

## PACKING CONFIGURATION

|                  |        |        |
|------------------|--------|--------|
| Container        | 20' GP | 40' HQ |
| Pieces/Container | 216    | 936    |

## ELECTRICAL CHARACTERISTICS

