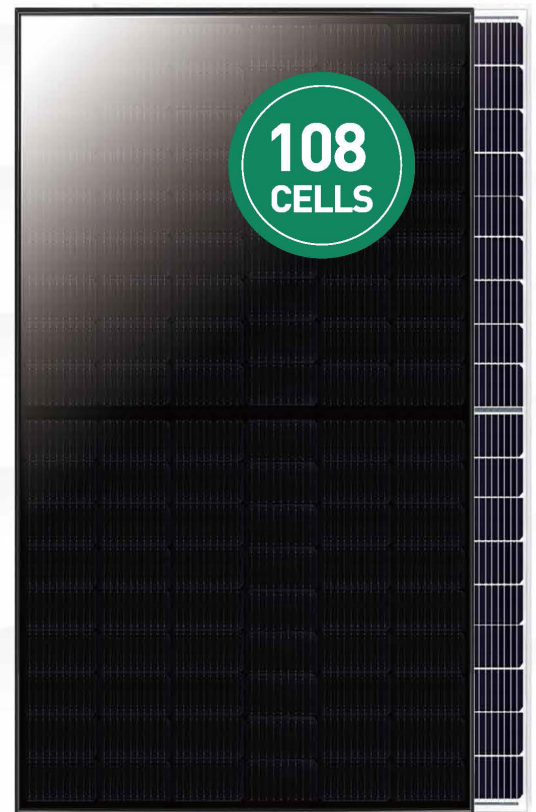


TWINPLUS MODULE SERIES

HIGH EFFICIENCY MONO-PERC M6-10B-R

395-415W



OUTSTANDING PRODUCT PERFORMANCE

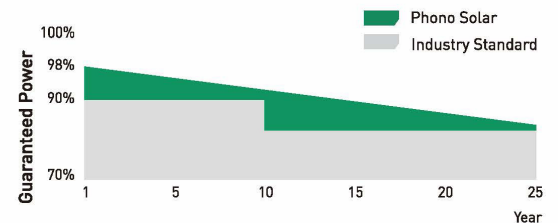
- Competitive high-temperature performance with ameliorated temperature coefficient
- Minimized power loss in cell connection
- Better performance under shading effect
- Decreased nominal operating cell temperature to $45 \pm 2^\circ\text{C}$
- Higher power generation with multi-busbar and half-cut technology

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



17-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

OHSAS 18001:2007 / International standards for occupational health & safety

IEC TS 62941: 2016 Terrestrial photovoltaic (PV) modules-guidelines for increased confidence in PV module design qualification and type approval



Bloomberg Tier1
NEW ENERGY FINANCE



ELECTRICAL TYPICAL VALUES

| Model | PS395M6-18/VH | | PS400M6-18/VH | | PS405M6-18/VH | | PS410M6-18/VH | | PS415M6-18/VH | |
|-----------------------------|----------------|----------------|----------------|----------------|----------------|-------|---------------|-------|---------------|-------|
| | PS395M6H-18/VH | PS400M6H-18/VH | PS405M6H-18/VH | PS410M6H-18/VH | PS415M6H-18/VH | STC | NOCT | STC | NOCT | STC |
| Testing Condition | 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 (%) | 20.20 | | 20.46 | | 20.72 | | 20.96 | | 21.23 | |

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: 1724mm (67.87 inch) |
| | Width: 1134mm (44.65 inch) |
| | Height: 35mm (1.38 inch) |
| Weight | 23.0kg (50.71 lbs) |
| Front Glass | 3.2mm Toughened Glass |
| Frame | Anodized Aluminium Alloy |
| Cable (Including Connector) | 4mm ² (IEC), (+):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 | 186 | 806 |

ELECTRICAL CHARACTERISTICS

