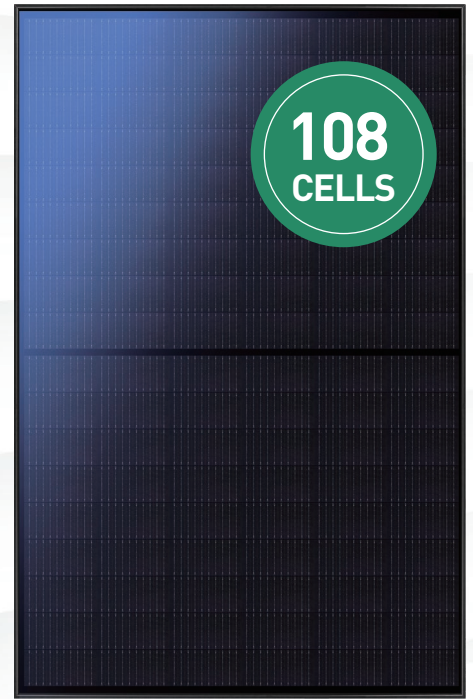


TWINPLUS X MODULE SERIES

HIGH EFFICIENCY MONO-PERC M6-10B-B

395-415W



*SUITABLE FOR RESIDENTIAL ROOFTOP INSTALLATION

ORIGINAL CUTLESS HALF-CELL TECHNOLOGY IN
PV MODULE INDUSTRY

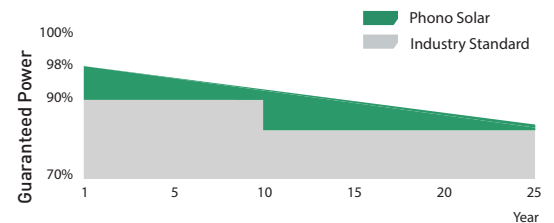
OPTIMIZED MODULE APPEARANCE WITH SQUARE
MONO WAFER

OUTSTANDING PRODUCT PERFORMANCE

- 0.32% additional power yield benefited from square mono wafer
- Competitive high-temperature performance with ameliorated temperature coefficient
- Minimized power loss in cell connection
- Higher power generation and better performance under shading effect with multi-busbar and half-cell technology

TRUSTWORTHY QUALITY AND RELIABILITY

- Optimized electrical design lowers hot spot risk and operating current
- Minimized risk of microcrack by using industry-leading cutless cell processing technology
- Excellent anti-PID resistance by Nitrous Oxide passivation processing technology



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 Tier¹
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 | |
| 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/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 x W x H) | Length: 1722mm (67.80 inch) |
| | Width: 1134mm (44.65 inch) |
| | Height: 30mm (1.18 inch) |
| Weight | 21.2kg (46.74 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 | 216 | 936 |

ELECTRICAL CHARACTERISTICS

