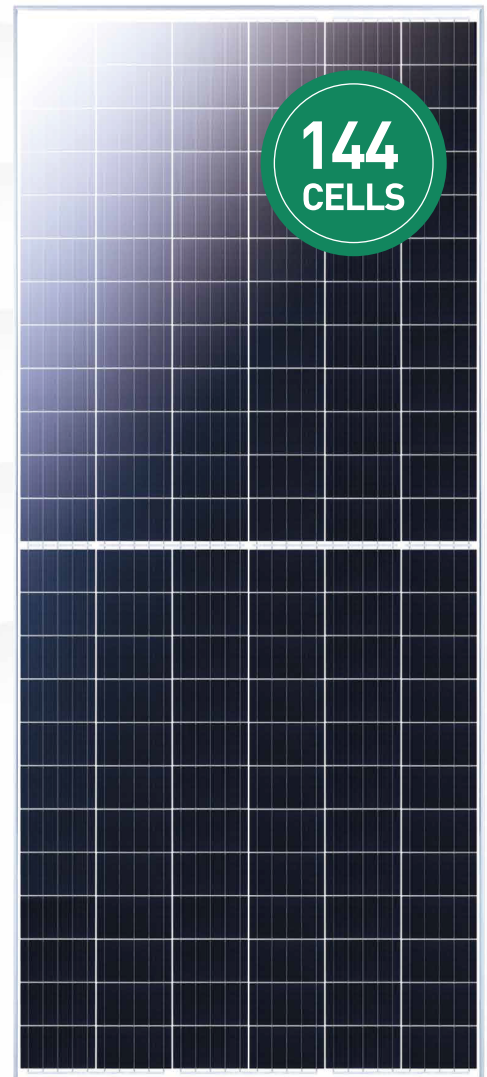


BIFACIAL TWINPLUS MODULE SERIES

HIGH EFFICIENCY MONO-PERC

395-410W



EXTRAORDINARY PRODUCT PERFORMANCE

- ◆ Up to 30% additional power yield benefited from bifacial technology
- ◆ Lower power loss in cell connection and under shading conditions
- ◆ Competitive high-temperature performance with ameliorated temperature coefficient
- ◆ Higher power generation with half-cut technology

HIGH QUALITY RELIABILITY

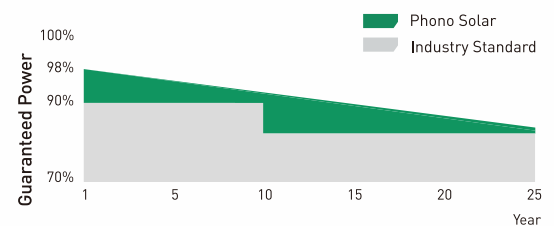
- ◆ Optimized electrical design lowers hot spot risk and operating current
- ◆ Corrosion resistance guarantees enhanced reliability in harsh environments
- ◆ Minimized Risk of microcrack and snail trail

EASY INSTALLATION

- ◆ Framed design improves mounting and racking method compatibility
- ◆ Safer and easier handling during transportation and installation

PID RESISTANT

- ◆ Industry-leading cell processing technology and electrical design ensures 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 / Occupational health & safety management system

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

| | | Rated Power (Pmpp) | Rated Current (Impp) | Rated Voltage (Vmpp) | Short Circuit Current (Isc) | Open Circuit Voltage (Voc) | Module Efficiency (%) |
|--|-----|--------------------|----------------------|----------------------|-----------------------------|----------------------------|-----------------------|
| PS395M3F-24/TH PS395M3FH-24/TH | | 395 | 9.75 | 40.52 | 10.11 | 49.72 | % 19.27 |
| Bifacial Gain | %5 | 414.75 | 10.24 | 40.52 | 10.55 | 49.72 | % 20.23 |
| | %10 | 434.5 | 10.73 | 40.52 | 11.06 | 49.72 | % 21.19 |
| | %20 | 474 | 11.70 | 40.52 | 12.05 | 49.72 | % 23.12 |
| | %30 | 513.5 | 12.74 | 40.52 | 13.05 | 49.72 | % 25.05 |
| PS400M3F-24/TH PS400M3FH-24/TH | | 400 | 9.80 | 40.82 | 10.16 | 49.92 | % 19.51 |
| Bifacial Gain | %5 | 420 | 10.29 | 40.82 | 10.64 | 49.92 | % 20.92 |
| | %10 | 440 | 10.78 | 40.82 | 11.14 | 49.92 | % 21.92 |
| | %20 | 480 | 11.76 | 40.82 | 12.16 | 49.92 | % 23.92 |
| | %30 | 520 | 12.74 | 40.82 | 13.17 | 49.92 | % 25.92 |
| PS405M3F-24/TH PS405M3FH-24/TH | | 405 | 9.85 | 41.12 | 10.21 | 50.12 | % 19.75 |
| Bifacial Gain | %5 | 425.25 | 10.34 | 41.12 | 10.72 | 50.12 | % 20.74 |
| | %10 | 445.5 | 10.83 | 41.12 | 11.23 | 50.12 | % 21.73 |
| | %20 | 486 | 11.82 | 41.12 | 12.26 | 50.12 | % 23.70 |
| | %30 | 526.5 | 12.80 | 41.12 | 13.28 | 50.12 | % 25.68 |
| PS410M3F-24/TH PS410M3FH-24/TH | | 410 | 9.90 | 41.42 | 10.26 | 50.32 | % 19.99 |
| Bifacial Gain | %5 | 430.5 | 10.40 | 41.42 | 10.77 | 50.32 | % 20.99 |
| | %10 | 451 | 10.89 | 41.42 | 11.29 | 50.32 | % 21.99 |
| | %20 | 492 | 11.88 | 41.42 | 12.31 | 50.32 | % 23.99 |
| | %30 | 533 | 12.87 | 41.42 | 13.34 | 50.32 | % 25.99 |
| Tolerance | | | | | -0/+5w | | |
| NOCT (Nominal Operating Cell Temperature) | | | | | 43±2°C | | |
| Voltage Temperature Coefficient | | | | | -0.269%/°C | | |
| Current Temperature Coefficient | | | | | +0.04%/°C | | |
| Power Temperature Coefficient | | | | | -0.344%/°C | | |

MECHANICAL CHARACTERISTICS

| | |
|--------------------------|---|
| Cell Type | Monocrystalline 158.75 x 79.38mm |
| | Length: 2030mm (79,92 inch) |
| Dimension (LxWxH) | Width: 1010mm (39,76 inch) |
| | Height: 30mm (1,18 inch) |
| Weight | 24.0kg (52.9 lbs) |
| Front Glass | 3.2mm toughened glass |
| Backsheet | Transparent Mesh Backsheet |
| Frame | Anodized aluminium alloy |
| Cable | 4mm ² (IEC), 350mm (v) 1250mm (h) or customized length |
| Junction Box | IP 68 Rated |

ABSOLUTE MAXIMUM RATING

| | |
|---|----------------------|
| Operating Temperature | From -40 to +85°C |
| Hail Diameter @ 23km/h | Up to 25mm |
| Side Maximum Static Loading | 5400Pa |
| Maximum Series Fuse Rating | 20A |
| IEC Application Class (IEC61730) | A |
| Fire Rating (IEC61730) | C |
| Maximum System Voltage | DC 1000V/1500V (IEC) |

PACKING CONFIGURATION

| | | |
|-------------------------|--------|--------|
| Container | 40' HQ | 20' GP |
| Pieces/Container | 624 | 312 |

ELECTRICAL CHARACTERISTICS

