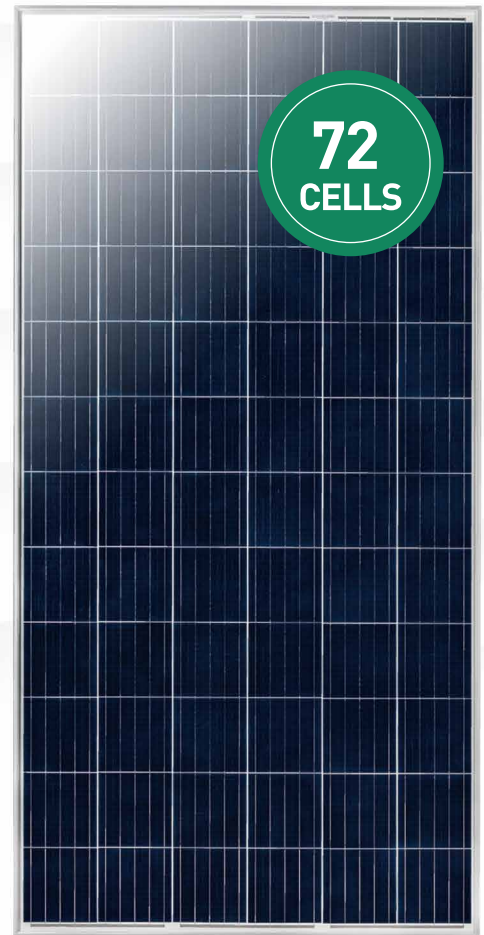


PREMIUM PLUS MODULE SERIES

HIGH EFFICIENCY MONO-PERC M1-5B-R

390-410W



HIGHER POWER OUTPUT

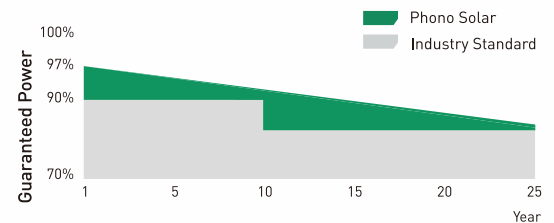
- ◆ Outstanding performance under weak-light conditions
- ◆ Superior temperature coefficient guarantees power generation efficiency

HIGHER QUALITY RELIABILITY AND DURABILITY

- ◆ 5400Pa maximum snow load, 2400Pa maximum wind load
- ◆ Guaranteed 0~+5W positive tolerance secures reliable power output
- ◆ Strict internal quality assurance plan and extended testing standards ensures enhanced durability

PID RESISTANT

- ◆ Improved cell processing technology and IEC-certified electrical design guarantee 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

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 | PS390M1-24/T | | PS395M1-24/T | | PS400M1-24/T | | PS405M1-24/T | | PS410M1-24/T | |
|--|---------------|-------|---------------|-------|---------------|-------|---------------|-------|---------------|-------|
| | PS390M1H-24/T | | PS395M1H-24/T | | PS400M1H-24/T | | PS405M1H-24/T | | PS410M1H-24/T | |
| Testing Condition | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Rated Power (P _{mpp}) | 390 | 288 | 395 | 292 | 400 | 295 | 405 | 299 | 410 | 302 |
| Rated Current (I _{mpp}) | 9.62 | 7.77 | 9.67 | 7.81 | 9.72 | 7.85 | 9.77 | 7.89 | 9.82 | 7.93 |
| Rated Voltage (V _{mpp}) | 40.55 | 37.03 | 40.85 | 37.31 | 41.16 | 37.59 | 41.46 | 37.86 | 41.76 | 38.13 |
| Short Circuit Current (I _{sc}) | 10.21 | 8.25 | 10.29 | 8.31 | 10.37 | 8.38 | 10.45 | 8.44 | 10.53 | 8.51 |
| Open Circuit Voltage (V _{oc}) | 49.13 | 45.30 | 49.41 | 45.56 | 49.69 | 45.81 | 49.97 | 46.07 | 50.25 | 46.33 |
| Module Efficiency (%) | 19.70 | | 19.95 | | 20.20 | | 20.45 | | 20.71 | |

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 158.75mm x 158.75mm |
| | Length: 1980mm [77.95 inch] |
| Dimension (L×W×H) | Width: 1000mm [39.37 inch] |
| | Height: 40mm [1.57 inch] |
| Weight | 23.0kg [50.70 lbs] |
| Front Glass | 3.2mm Toughened Glass |
| Frame | Anodized Aluminium Alloy |
| Cable | 4mm ² (IEC), Length:1160mm or Customized Length |
| Junction Box | IP 68 Rated |

TEMPERATURE RATINGS

| | |
|---------------------------------|-----------|
| Voltage Temperature Coefficient | -0.31%/°C |
| Current Temperature Coefficient | +0.05%/°C |
| Power Temperature Coefficient | -0.39%/°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 |
| Module Fire Performance (UL 1703) | Type 1 |
| Maximum System Voltage | DC 1000V/1500V |

PACKING CONFIGURATION

| | | |
|------------------|--------|--------|
| Container | 20' GP | 40' HQ |
| Pieces/Container | 230 | 616 |

ELECTRICAL CHARACTERISTICS

