

Bifacial 72H 370-390 Watt

MONOCRYSTALLINE MODULE

Positive power tolerance of 0~+3%

ISO9001:2008、ISO14001:2004、OHSAS18001 certified factory.

IEC61215、IEC61730 certified products.

(Draft)

PERC



KEY FEATURES



5 Busbar Solar Cell

5 busbar solar cell adopts new technology to improve the efficiency of modules, offers a better aesthetic appearance, making it perfect for rooftop installation.



PID FREE

The possibility of PID effect generation is greatly reduced by unique frameless design.



Higher Lifetime Power Yield

0.5% annual power degradation
30 year linear power warranty



Saving BOS Cost

Designed for high voltage systems of up to 1500 VDC, saving BOS cost



Higher power output

Module power increases 5-25% generally (per different reflective condition)
lower LCOE and higher IRR



Better low-light performance

Excellent performance in low-light environments (e.g. early morning, dusk, and cloud, etc.)

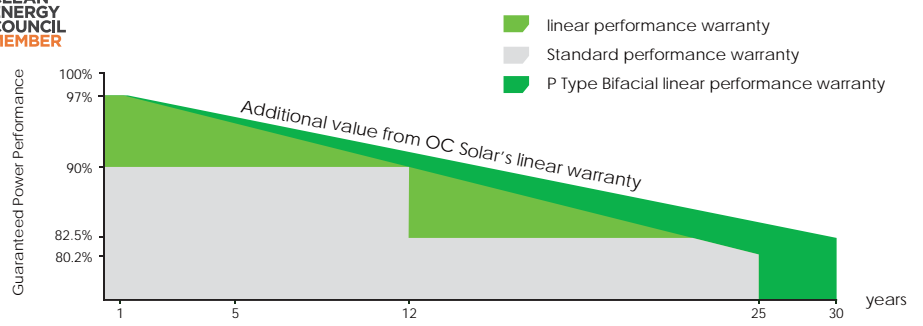


Strengthened Mechanical Support

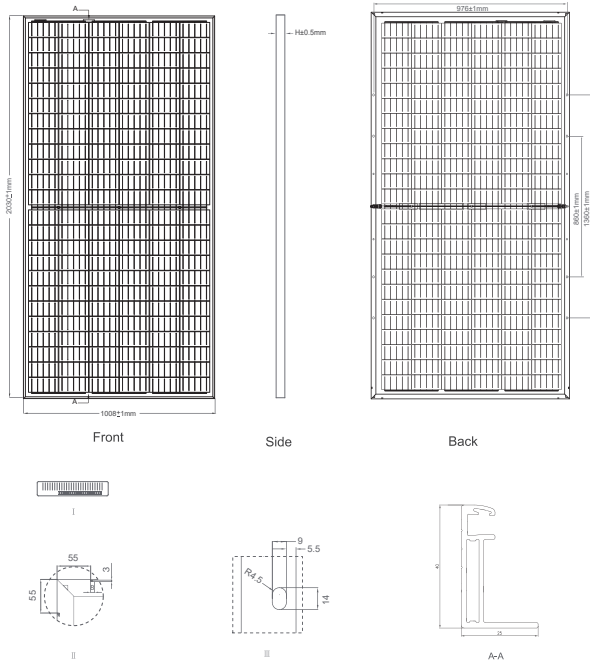
5400 Pa snow load, 2400 Pa wind load

LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty • 30 Year Linear Power Warranty
0.5% Annual Degradation Over 30 years



Engineering Drawings

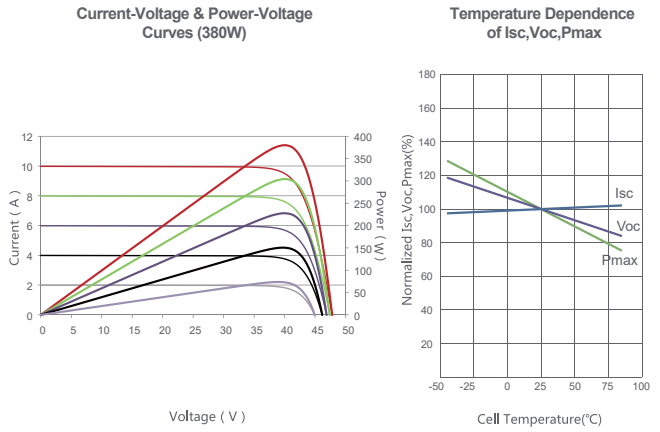


Packaging Configuration

(Two pallets = One stack)

26pcs/pallets, 52pcs/stack, 572pcs/ 40'HQ Container

Electrical Performance & Temperature Dependence



Mechanical Characteristics

| | |
|---------------|--|
| Cell Type | Mono PERC 158.75×158.75mm |
| No. of cells | 144 (6×24) |
| Dimensions | 2030×1008×40mm (79.92×39.69×1.57 inch) |
| Weight | 30.5kg (67.2 lbs) |
| Front Glass | 2.5mm, Anti-Reflection Coating |
| Back Glass | 2.5mm heat strengthened glass |
| Frame | Anodized Aluminium Alloy |
| Junction Box | IP67 Rated |
| Output Cables | TUV 1×4.0mm ² positive – 250mm, negative- 150mm or customized length |

SPECIFICATIONS

| Module Type | OCM370M-72H-BDVP | | OCM375M-72H-BDVP | | OCM380M-72H-BDVP | | OCM385M-72H-BDVP | | OCM390M-72H-BDVP | |
|---|------------------|-------|------------------|-------|------------------|-------|------------------|-------|------------------|-------|
| | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Power (Pmax) | 370Wp | 274Wp | 375Wp | 278Wp | 380Wp | 282Wp | 385Wp | 285Wp | 390Wp | 289Wp |
| Maximum Power Voltage (Vmp) | 39.5V | 35.9V | 39.8V | 36.2V | 40.0V | 36.4V | 40.3V | 36.6V | 40.6V | 36.8V |
| Maximum Power Current (Imp) | 9.37A | 7.64A | 9.43A | 7.69A | 9.50A | 7.75A | 9.56A | 7.80A | 9.62A | 7.86A |
| Open-circuit Voltage (Voc) | 47.3V | 43.5V | 47.6V | 43.8V | 47.8V | 44.0V | 48.1V | 44.2V | 48.3V | 44.4V |
| Short-circuit Current (Isc) | 9.85A | 7.98A | 9.92A | 8.03A | 9.98A | 8.08A | 10.04A | 8.13A | 10.11A | 8.18A |
| Module Efficiency STC (%) | 18.08% | | 18.32% | | 18.57% | | 18.81% | | 19.06% | |
| Operating Temperature(°C) | -40°C~+85°C | | | | | | | | | |
| Maximum system voltage | 1500VDC (IEC) | | | | | | | | | |
| Maximum series fuse rating | 20A | | | | | | | | | |
| Power tolerance | 0~+3% | | | | | | | | | |
| Temperature coefficients of Pmax | -0.36%/°C | | | | | | | | | |
| Temperature coefficients of Voc | -0.30%/°C | | | | | | | | | |
| Temperature coefficients of Isc | 0.05%/°C | | | | | | | | | |
| Nominal operating cell temperature (NOCT) | 45±2°C | | | | | | | | | |
| Refer. Bifacial Factor | 70±3% | | | | | | | | | |

BIFACIAL OUTPUT-REAR SIDE POWER GAIN

| | | 370Wp | 375Wp | 380Wp | 385Wp | 390Wp |
|-----|---------------------------|--------|--------|--------|--------|--------|
| 5% | Maximum Power (Pmax) | 389Wp | 394Wp | 399Wp | 404Wp | 410Wp |
| | Module Efficiency STC (%) | 18.99% | 19.24% | 19.50% | 19.76% | 20.01% |
| 15% | Maximum Power (Pmax) | 426Wp | 431Wp | 437Wp | 443Wp | 449Wp |
| | Module Efficiency STC (%) | 20.79% | 21.08% | 21.36% | 21.64% | 21.92% |
| 25% | Maximum Power (Pmax) | 463Wp | 469Wp | 475Wp | 481Wp | 488Wp |
| | Module Efficiency STC (%) | 22.60% | 22.91% | 23.21% | 23.52% | 23.82% |

* STC: Irradiance 1000W/m² Cell Temperature 25°C

AM=1.5

NOCT: Irradiance 800W/m² Ambient Temperature 20°C

AM=1.5

Wind Speed 1m/s

* Power measurement tolerance: ± 3%

The company reserves the final right for explanation on any of the information presented hereby. OCM370-390M-72H-F40-BDVP-D1-EN