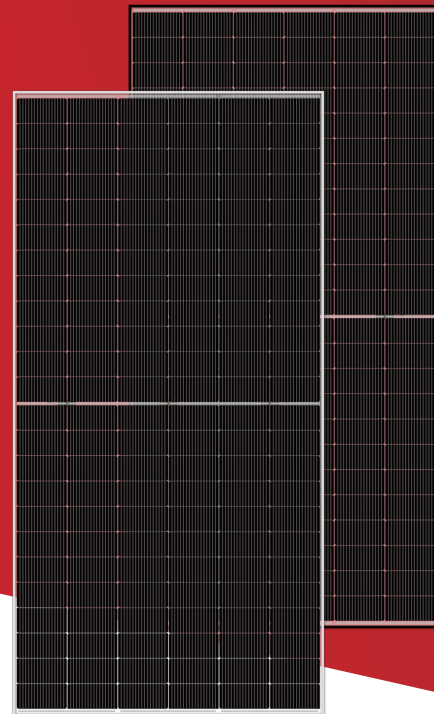


Zosma™ M Pro

540-560W

High Efficiency Bifacial Dual Glass Mono Module



Bifacial technology enables additional energy harvesting from rear side (up to 30%)



Excellent low irradiance performance



Better light trapping and current collection to improve module power output and reliability



Industry-leading, lowest thermal coefficient



Optimized electrical design and lower operating current for reduced hot spot loss and better temperature



2400Pa/5400Pa

Certified to withstand 2400 Pa of wind load and 5400 Pa of snow load



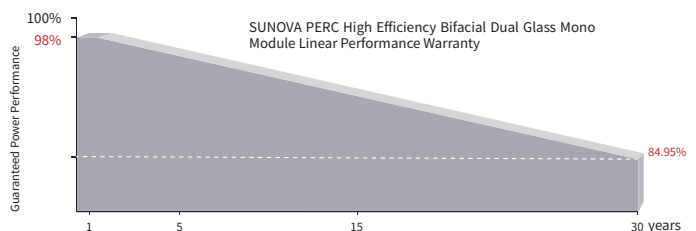
100% triple EL test, which greatly reduces the hidden cracks rate

PERFORMANCE INSURANCE



* Optional performance warranty insurance. Please contact our local sales representatives for more information.

LINEAR PERFORMANCE WARRANTY



15 years

Product quality & process guarantee

30 years

Linear power guarantee

0.45 %

Annual degradation over 30 years

COMPREHENSIVE CERTIFICATES



IEC61215/IEC61730/IEC61701/IEC62716/
IEC62804/IEC60068/UL61730

ISO 9001: Quality Management System

ISO 14001: Environmental Management System Standard

ISO 45001: International Occupational Health and Safety Assessment System Standard

SA 8000: 2014 Social Accountability Management System

* Different markets have different certification requirements. Also, the products are under rapid innovation. Please confirm the certification status with regional sales representatives.

ELECTRICAL CHARACTERISTICS

| Model of modules | SS-BG540-72MDH | | SS-BG545-72MDH | | SS-BG550-72MDH | | SS-BG555-72MDH | | SS-BG560-72MDH | |
|--------------------------------------|----------------|-------|----------------|-------|----------------|-------|----------------|-------|----------------|-------|
| | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum power — P_{mp} (W) | 540 | 402 | 545 | 406 | 550 | 410 | 555 | 414 | 560 | 417 |
| Open-circuit voltage — V_{oc} (V) | 49.42 | 46.65 | 49.51 | 46.73 | 49.60 | 46.82 | 49.68 | 46.90 | 49.76 | 46.97 |
| Short-circuit current — I_{sc} (A) | 13.85 | 11.19 | 13.94 | 11.26 | 14.04 | 11.34 | 14.13 | 11.42 | 14.25 | 11.51 |
| Maximum power voltage — V_{mp} (V) | 40.71 | 38.11 | 40.76 | 38.16 | 40.83 | 38.22 | 40.89 | 38.28 | 40.95 | 38.33 |
| Maximum power current — I_{mp} (A) | 13.27 | 10.56 | 13.38 | 10.65 | 13.48 | 10.73 | 13.58 | 10.81 | 13.68 | 10.89 |
| Module efficiency — η_m (%) | 20.90 | | 21.10 | | 21.29 | | 21.48 | | 21.68 | |

STC (Standard Testing Conditions): Irradiance 1000W/m², Cell Temperature 25 °C, Spectra at AM1.5

NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m², Ambient Temperature 20 °C, Spectra at AM1.5, Wind at 1m/s

ELECTRICAL CHARACTERISTICS WITH DIFFERENT POWER BIN (REFERENCE TO 13.5% IRRADIANCE RATIO)

| | | | | | |
|--------------------------------------|-------|-------|-------|-------|-------|
| Maximum power — P_{mp} (W) | 591 | 597 | 602 | 608 | 613 |
| Open-circuit voltage — V_{oc} (V) | 49.42 | 49.51 | 49.60 | 49.68 | 49.77 |
| Short-circuit current — I_{sc} (A) | 15.16 | 15.26 | 15.37 | 15.44 | 15.54 |
| Maximum power voltage — V_{mp} (V) | 40.71 | 40.76 | 40.83 | 40.88 | 40.93 |
| Maximum power current — I_{mp} (A) | 14.52 | 14.64 | 14.75 | 14.86 | 14.98 |

STRUCTURAL CHARACTERISTICS

| | |
|-----------------------|--|
| Module size (L*W*H) | 2278 x 1134 x 30 mm |
| Weight | 32.3 kg |
| Cell | 144 cells, PERC Monocrystalline |
| Front Glass | 2.0mm, Anti-Reflection Coating |
| Back Glass | 2.0mm, Heat Strengthened Glass |
| Frame | Anodized aluminum alloy (Silver/Black) |
| Junction box | IP68, 3 bypass diodes |
| Output wire | 4.0 mm ² |
| Wire length | 300mm / 1200mm / customized |
| Connector | MC4 Compatible |
| Packing Specification | 36 pcs/Pallet; 720 pcs/40'HQ |

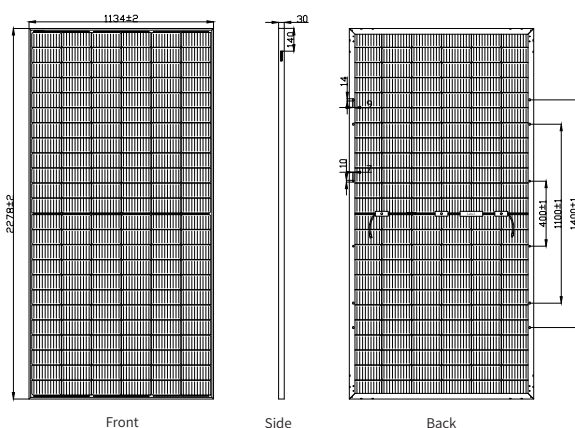
OPERATING PARAMETERS

| | |
|------------------------------------|-------------------|
| Power tolerance (W) | (0,+5) |
| Maximum system voltage (V) | 1500 |
| Maximum rated fuse current (A) | 30 |
| Current operating temperature (°C) | -40~+85 °C |
| Mechanical load | 5400 Pa / 2400 Pa |

TEMPERATURE RATINGS

| | |
|---------------------------------------|------------|
| Temperature coefficient (P_{max}) | -0.33%/°C |
| Temperature coefficient (V_{oc}) | -0.26 %/°C |
| Temperature coefficient (I_{sc}) | +0.06 %/°C |
| Nominal operating cell temperature | 43±2 °C |

MODULE DIMENSIONS (MM)



* The unmarked tolerance is ±1 mm
Length shown in mm

