



SUNOVA SOLAR



Zosma[™] M 540-560W

High efficiency half-cell mono PERC module



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



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

WARRANTY INSURANCE



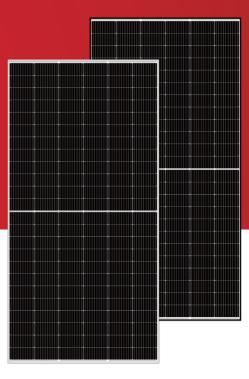




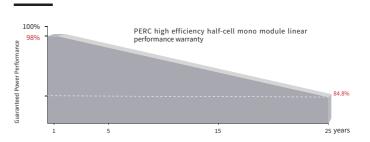




^{*} Optional performance warranty insurance. Please contact our local sales staff for more information.



LINEAR PERFORMANCE WARRANTY



Product quality & process guarantee

Linear power guarantee

Annual degradation over 25 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

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.



| Model of modules | SS-540-72MDH | | SS-545-72MDH | | SS-550-72MDH | | SS-555-72MDH | | SS-560-72MDH | |
|---|--------------|-------|--------------|-------|--------------|-------|--------------|-------|--------------|-------|
| | 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 |
| ${\rm Maximum\ power\ current-I_{mp}\ (A)}$ | 13.27 | 10.56 | 13.38 | 10.65 | 13.48 | 10.73 | 13.58 | 10.81 | 13.68 | 10.89 |
| Module efficiency $-\eta_{m}$ (%) | 20.9 | | 21.1 | | 21.3 | | 21.5 | | 21.7 | |
| Power tolerance (W) | (0,+5) | | | | | | | | | |
| Maximum system voltage (V) | 1500 | | | | | | | | | |
| Maximum rated fuse current (A) | 25 | | | | | | | | | |
| Current operating temperature (°C) | -40~+85°C | | | | | | | | | |

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

STRUCTURAL CHARACTERISTICS

| Module dimensions (L*W*H) | 2278 x 1134 x 35 mm |
|---------------------------|---|
| Weight | 27.6 kg |
| Number of cells | 144 cells |
| Cell | PERC monocrystalline |
| Glass | Tempered, 3.2 mm AR, high transmittance, low iron |
| Frame | Anodized aluminum alloy (Silver/Black) |
| Junction box | IP68, 3 bypass diodes |
| Output wire | 4.0 mm², wire length:300mm/1200mm/customized |
| Connector | MC4 Compatible |
| Mechanical load | Snow load: 5400 Pa ≉/ Wind load: 2400 Pa 🥹 |

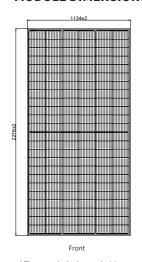
TEMPERATURE PERFORMANCE RATINGS

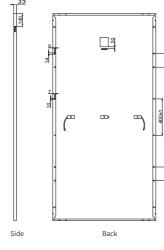
| Temperature coefficient (P _{max}) | -0.33 %/°C |
|---|------------|
| Temperature coefficient (V _{oc}) | -0.26 %/°C |
| Temperature coefficient (I_{sc}) | +0.06 %/°C |
| Nominal operating cell temperature | 43±2°C |

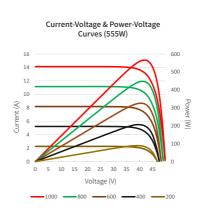
PACKAGING CONFIGURATION

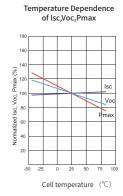
| Container | 40HQ |
|--------------------|------|
| Quantity/pallet | 31 |
| Pallets/container | 20 |
| Quantity/container | 620 |

MODULE DIMENSIONS (MM)









^{*} The unmarked tolerance is ± 1 mm Length shown in mm





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* The technical parameters contained in this data sheet may exhibit variations contingent upon the region. Sunova Solar and Thornova Solar do not guarantee their full accuracy. Due to continuous innovation, research, development and products improvements, Sunova Solar and Thornova Solar reserve the right to adjust the information in this data sheet at any time without prior notice. Client sare urged to procure the most recent version of this data sheet and incorporate it as an intrinsic component of the legally binding agreement ratified by both parties. The Chinese (or any other language) translation of this data sheet is for reference only. If there is any discrepancy between the English version and the Chinese version for other language versions), the English version shall prevail.

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