



Leading one-stop Pr Supplier

HI- MILO 535-550W

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 co-efficient of power.



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



Certified to withstand: wind load (2400 Pa) and snow load (5400 Pa).

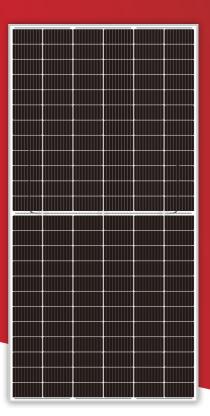


100% triple EL test enabling remarkable reduction of hidden crack rate of modules

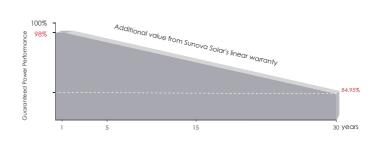
PERFORMANCE INSURANCE







LINEAR PERFORMANCE WARRANTY



15 years Product quality & process guarantee

30 years Linear power guarantee **0.45** % Annual Degradation Over 30 years

COMPREHENSIVE CERTIFICATES







ISO 9001: Quality Management System ISO 14001: Environmental Management System Standard OHSAS 18001: International Occupational Health and Safety Assessment System Standard

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

144 cells

ELECTRIC CHARACTERISTICS

| Model of modules | SS-BG535-72MDH | | SS-BG540-72MDH | | SS-BG545-72MDH | | SS-BG550-72MDH | |
|--|----------------|-------|----------------|-------|----------------|-------|----------------|-------|
| | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum power — $P_{mp}(W)$ | 535 | 398 | 540 | 402 | 545 | 406 | 550 | 410 |
| Open-circuit voltage — V_{oc} (V) | 49.34 | 46.57 | 49.42 | 46.65 | 49.51 | 46.74 | 49.60 | 46.82 |
| Short-circuit current $- I_{sc}(A)$ | 13.79 | 11.14 | 13.85 | 11.19 | 13.94 | 11.27 | 14.04 | 11.35 |
| Maximum power voltage — $V_{mp}(V)$ | 40.66 | 37.92 | 40.71 | 38.11 | 40.76 | 38.19 | 40.83 | 38.25 |
| Maximum power current — $\rm I_{\rm mp}$ (A) | 13.16 | 10.51 | 13.27 | 10.56 | 13.38 | 10.64 | 13.48 | 10.73 |
| Module efficiency $-\eta_m$ (%) | 20.7% | | 20.9% | | 21.1% | | 21.3% | |

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 DIERENT POWER BIN (REFERENCE TO 10% IRRADIANCE RATIO)

| Maximum power — P _{mp} (W) | 573 | 578 | 583 | 588 |
|---|-------|-------|-------|-------|
| Open-circuit voltage $-$ V _{oc} (V) | 49.34 | 49.42 | 49.51 | 49.60 |
| Short-circuit current $-I_{sc}(A)$ | 14.99 | 15.11 | 15.23 | 15.35 |
| Maximum power voltage $-$ V _{mp} (V) | 40.66 | 40.71 | 40.76 | 40.83 |
| Maximum power current $-$ I _{mp} (A) | 14.09 | 14.20 | 14.31 | 14.40 |
| Irradiance ratio (rear/front) | 10% | | | |

STRUCTURAL CHARACTERISTICS

| Module size (L*W*H) | 2279 x 1134 x 35mm |
|-----------------------|--|
| Weight | 32.3 kg |
| Number of cells | 144 cells |
| Cell | PERC Monocrystalline 182x91 mm |
| Glass | 2.0 mm High Transmission, Antireflection Coating |
| Frame | Anodized aluminum alloy |
| Junction box | IP68, 3 bypass diodes |
| Output wire | 4.0 mm ² |
| Wire length | 300 mm or Customized Length |
| Connector | MC4 Compatible |
| Packing Specification | 31 pcs/Pallet; 620 pcs/40'HQ |

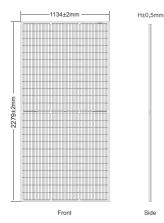
OPERATING PARAMETERS

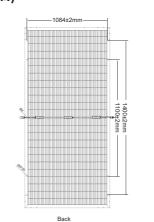
| Power tolerance (W) | (0,+5) | | |
|-------------------------------------|-------------------|--|--|
| Maximum system voltage (V) | 1500 | | |
| Maximum rated fuse current (A) | 30 | | |
| Current operating temperature (°C) | -40~+85 °C | | |
| Mechanical load | 5400 Pa / 2400 Pa | | |

TEMPERFORMANCE RATINGS

| Temperature coefficient (P _{max}) | -0.35%/°C |
|---|------------|
| Temperature coefficient (V_{oc}) | -0.28 %/°C |
| Temperature coefficient (I_{sc}) | +0.04 %/°C |
| Nominal operating cell temperature | 45±2 ℃ |

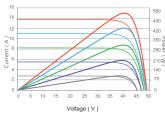
MODULE DIMENSIONS (MM)



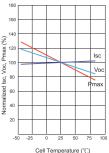


Curves (540W) - 1000w/m² - 800w/m² - 600w/m² - 400w/m² - 200w/m²

Current-Voltage & Power-Voltage



Temperature Dependence of lsc,Voc,Pmax



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