

HI- M ILO 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).



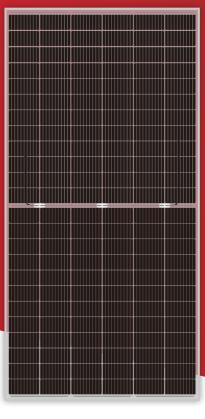
100% triple EL test enabling remarkable reduction of hidden crack rate of modules

PERFORMANCE INSURANCE

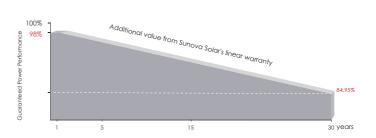








LINEAR PERFORMANCE WARRANTY



Product quality & process guarantee Linear power guarantee

Annual Degradation Over 30 years

COMPREHENSIVE CERTIFICATES













ISO 9001: Quality Management System

ISO 14001: Environmental Management System Standard

ISO 45001: 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.

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Model of modules	SS-BG535-72MDH		SS-BG540-72MDH		SS-BG545-72MDH		SS-BG550-72MDH	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
$\operatorname{Maximum\ power} - \operatorname{P}_{\operatorname{mp}}(\operatorname{W})$	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
${\it Maximum power voltage-V_{mp}(V)}$	40.66	37.92	40.71	38.11	40.76	38.19	40.83	38.25
${\rm Maximum\ power\ current} - {\rm I}_{\rm mp} ({\rm A})$	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)

	1			
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
${\rm Maximum\ power\ voltage} - {\rm V_{mp}}({\rm V})$	40.66	40.71	40.76	40.83
${\rm Maximum\ power\ current} - {\rm I}_{\rm mp} {\rm (A)}$	14.09	14.20	14.31	14.40
Irradiance ratio (rear/front)	10%			

STRUCTURAL CHARACTERISTICS

Module size (L*W*H)	2278 x 1134 x 35 mm (89.69 x 44.65 x 1.38 inch)
Weight	32.3 kg (71.21 lbs)
Number of cells	144 cells
Cell	PERC Monocrystalline 182x91 mm (7.17 x 3.58 inch)
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	300mm/customized
Connector	MC4 Compatible
Packing Specification	31 pcs/Pallet; 620 pcs/40'HQ

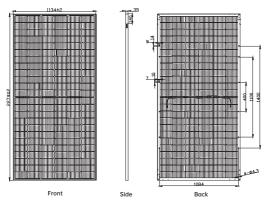
OPERATING PARAMETERS

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)

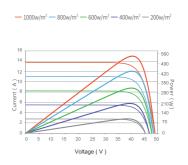


Leading one-stop PV Supplier

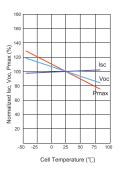
* The unmarked tolerance is ±1 mm

SUNOVA SOLAR

Current-Voltage & Power-Voltage Curves (540W)



Temperature Dependence of lsc,Voc,Pmax



*The technical parameters contained in this datasheet may deviate slightly, Sunova Solar does not guarantee that they are completely accurate. Varying optional data could be for different regions or prices. Please contact commercial people for confirmation. Due to continuous innovation, research and development and product improvement, Sunova Solar reserves the right to adjust the information in this datasheet at any time without prior notice. The customer should obtain the latest verified not of datasheet when signing the contract and make it an integral part of the binding contract signed by both parties. The Chinese (or other language) translation files of this datasheet are for reference only. If there is any inconsistency between the English version and the Chinese version (or other language) versions), the English version shall prevail.

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Length shown in mm