

HI- M ILO 545-560W

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 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).



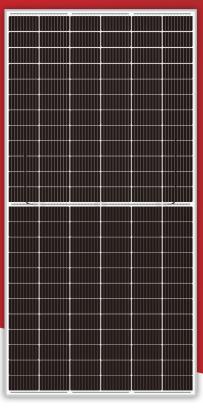
100% triple EL test enabling remarkable reduction of hidden crack rate of modules

PERFORMANCE INSURANCE

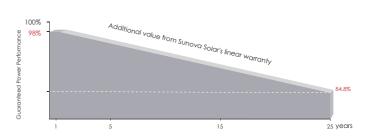








LINEAR PERFORMANCE WARRANTY



Product quality & process guarantee Linear power guarantee

Annual Degradation Over 25 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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ELECTRIC CHARACTERISTICS



Model of modules	SS-545-72MDH		SS-550-72MDH		SS-555-72MDH		SS-560-72MDH	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
$\operatorname{Maximum\ power} - \operatorname{P}_{\operatorname{mp}}(\operatorname{W})$	545	406	550	410	555	414	560	417
Open-circuit voltage — V _{oc} (V)	49.51	46.74	49.60	46.82	49.68	46.93	49.76	46.97
Short-circuit current $-I_{sc}(A)$	13.94	11.27	14.04	11.35	14.13	11.42	14.25	11.51
$\label{eq:maximum power voltage - V_mp} \textit{(V)}$	40.76	38.19	40.83	38.25	40.89	38.32	40.95	38.33
${\rm Maximum\ power\ current} - {\rm I_{mp}\ (A)}$	13.38	10.64	13.48	10.73	13.58	10.81	13.68	10.88
Module efficiency $-\eta_{m}$ (%)	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 30 mm (89.69 x 44.65 x 1.18 inch)	
Weight	27.6 kg (60.85 lbs)	
Number of cells	144 cells	
Cell	PERC Monocrystalline 182x91 mm (7.17 x 3.58 inch)	
Glass	Tempered, 3.2 mm AR, High transmittance, Low iron	
Frame	Anodized aluminum alloy	
Junction box	IP68	
Output wire	4.0 mm², wire length:300mm/customized	
Connector	MC4 Compatible	
Mechanical load	Snow load: 5400 Pa / Wind load: 2400 Pa	

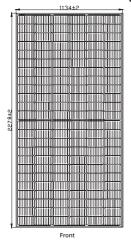
TEMPERFORMANCE RATINGS

Temperature coefficient (P _{max})	-0.35 %/°C
Temperature coefficient (V _{oc})	-0.27 %/°C
Temperature coefficient (I _{sc})	+0.048 %/°C
Nominal operating cell temperature	45±2°C

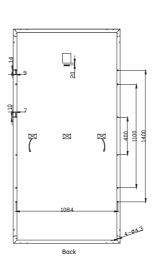
PACKAGING CONFIGURATION

Container	40HQ
Quantity/pallet	36
Pallets/container	20
Quantity/container	720

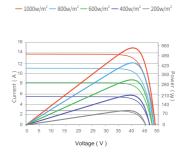
MODULE DIMENSIONS (MM)



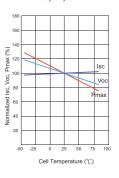




Current-Voltage & Power-Voltage Curves (540W)



Temperature Dependence of lsc,Voc,Pmax



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

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