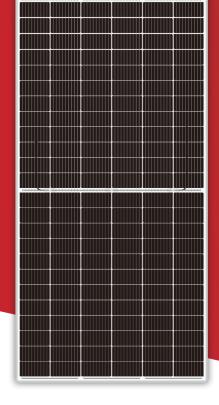


# HI- M ILO 540-555W

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

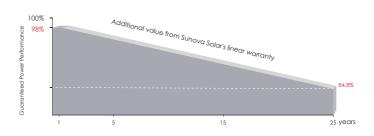
## PERFORMANCE INSURANCE







# 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-540-72MDH		SS-545-72MDH		SS-550-72MDH		SS-555-72MDH	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power — P <sub>mp</sub> (W)	540	402	545	406	550	410	555	414
Open-circuit voltage − V <sub>oc</sub> (V)	49.42	46.65	49.51	46.74	49.60	46.82	49.68	46.93
Short-circuit current $-I_{sc}(A)$	13.85	11.19	13.94	11.27	14.04	11.35	14.13	11.42
Maximum power voltage − V <sub>mp</sub> (V)	40.71	38.11	40.76	38.19	40.83	38.25	40.89	38.32
Maximum power current $-I_{mp}$ (A)	13.27	10.56	13.38	10.64	13.48	10.73	13.58	10.81
Module efficiency $-\eta_{m}$ (%)	20.9%		21.1%		21.3%		21.5%	
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 (89.69 x 44.65 x 1.38 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: 1200mm/customized		
Connector	MC4 Compatible		
Mechanical load	Snow load: 5400 Pa / Wind load: 2400 Pa		

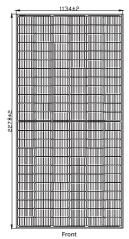
### **TEMPERFORMANCE RATINGS**

	,
Temperature coefficient ( $P_{max}$ )	-0.35 %/°C
Temperature coefficient $(V_{oc})$	-0.27 %/°C
Temperature coefficient (I <sub>sc</sub> )	+0.048 %/°C
Nominal operating cell temperature	45±2°C

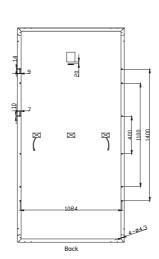
#### **PACKAGING CONFIGURATION**

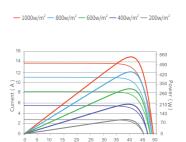
Container	40HQ
Quantity/pallet	31
Pallets/container	20
Quantity/container	620

## **MODULE DIMENSIONS (MM)**





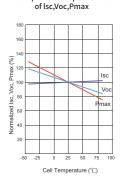




Voltage (V)

Current-Voltage & Power-Voltage

Curves (540W)



Temperature Dependence

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<sup>\*</sup> The unmarked tolerance is ±1mm Length shown in mm