

SUNOVA SOLAR

Leading one-stop PU Supplier

HI- MILO 540-5555 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).



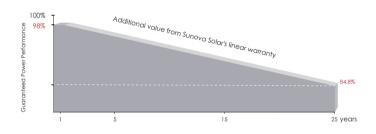
100% triple EL test enabling remarkable reduction of hidden crack rate of modules

# PERFORMANCE INSURANCE





### LINEAR PERFORMANCE WARRANTY



**15** years Product quality & process guarantee

**25** years Linear power guarantee **0.55**% Annual Degradation Over 25 years

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# **COMPREHENSIVE CERTIFICATES**



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

Safety Assessment System Standard

Please confirm the certification status with regional sales representatives.

#### **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 — $P_{mp}(W)$	540	402	545	406	550	410	555	414
Open-circuit voltage — $V_{oc}$ (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 — $V_{mp}(V)$	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/m<sup>2</sup>, Cell Temperature 25 °C , Spectra at AM1.5

NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Spectra at AM1.5, Wind at 1m/s

#### STRUCTURAL CHARACTERISTICS

Module dimensions (L*W*H)	2279 x 1134 x 35 mm (89.72 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 mm <sup>2</sup> , wire length: 300mm	
Connector	MC4 Compatible	
Mechanical load	Snow load: 5400 Pa / Wind load: 2400 Pa	

#### **TEMPERFORMANCE RATINGS**

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

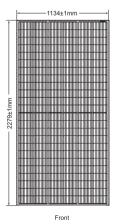
#### PACKAGING CONFIGURATION

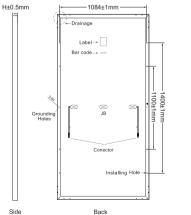
Container	40HQ
Quantity/pallet	31
Pallets/container	20
Quantity/container	620

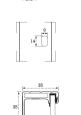
#### **MODULE DIMENSIONS (MM)**

Side

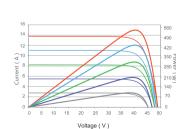
SUNOVA SOLAR



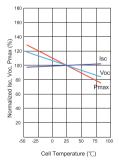




### Current-Voltage & Power-Voltage Curves (540W) - 1000w/m<sup>2</sup> - 800w/m<sup>2</sup> - 600w/m<sup>2</sup> - 400w/m<sup>2</sup> - 200w/m<sup>2</sup>



#### Temperature Dependence of lsc,Voc,Pmax



Web: www.sunova-solar.com

E-mail: info@sunova-solar.com

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