



SUNOVA SOLAR

Leading one-stop PV Supplier

HI-M10

545-560W

High Efficiency Half-Cell Mono PERC Module



Excellent low irradiance performance.



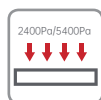
Better light trapping and current collection to improve module power output and reliability.



Industry leading lowest thermal co-efficient of power.



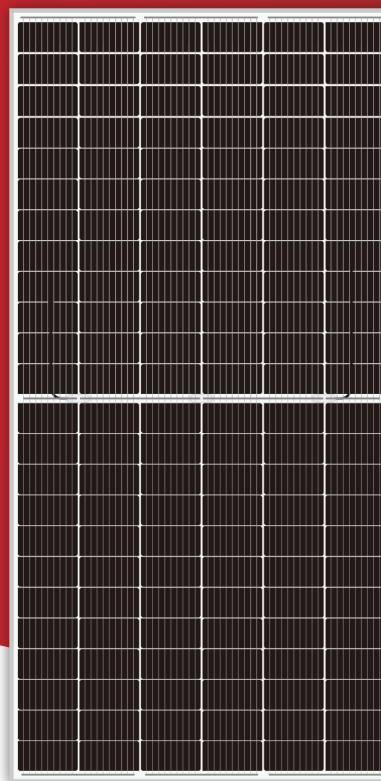
Optimized electrical design and lower operating current for reduced hot spot loss and better temperature coefficient.



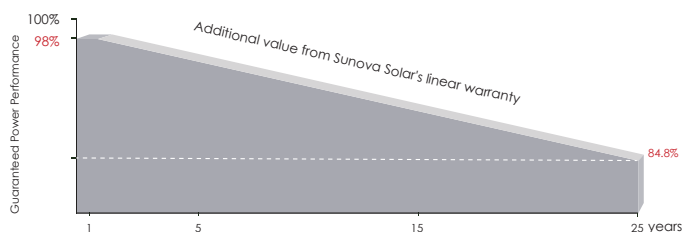
Certified to withstand: wind load (2400 Pa) and snow load (5400 Pa).



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



LINEAR PERFORMANCE WARRANTY



15 years

Product quality & process guarantee

25 years

Linear power guarantee

0.55 %

Annual Degradation Over 25 years

COMPREHENSIVE CERTIFICATES



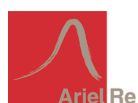
ISO 9001: Quality Management System

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.

PERFORMANCE INSURANCE



中国平安

PING AN
P & C INSURANCE CO CN SZN

Make it happen

www.sunova-solar.com

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
Maximum power — P _{mp} (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
Maximum power voltage — V _{mp} (V)	40.76	38.19	40.83	38.25	40.89	38.32	40.95	38.33
Maximum power current — I _{mp} (A)	13.38	10.64	13.48	10.73	13.58	10.81	13.68	10.88
Module efficiency — η _m (%)	21.1%		21.3%		21.5%		21.68%	
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 mm ² , wire length:300mm/customized
Connector	MC4 Compatible
Mechanical load	Snow load: 5400 Pa / Wind load: 2400 Pa

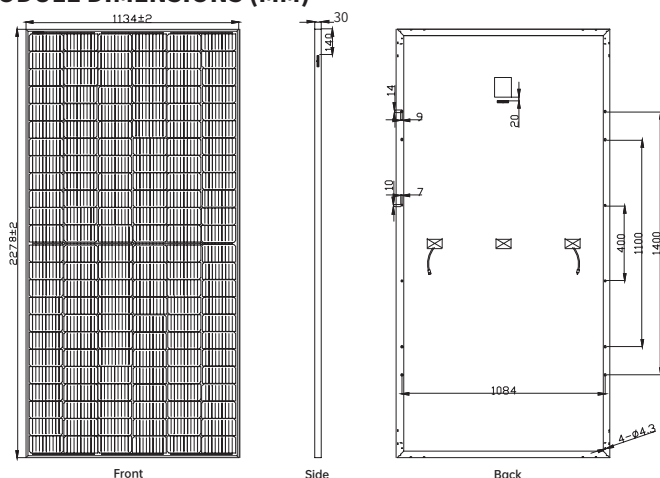
TEMPERATURE RATINGS

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

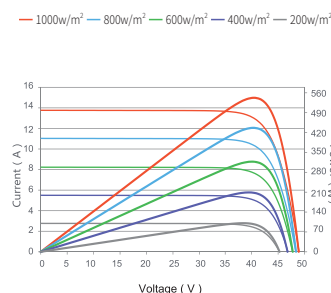
Container	40HQ
Quantity/pallet	37
Pallets/container	20
Quantity/container	740

MODULE DIMENSIONS (MM)



* The unmarked tolerance is ±1mm
Length shown in mm

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

Temperature Dependence of I_{sc} , V_{oc} , P_{max} 