



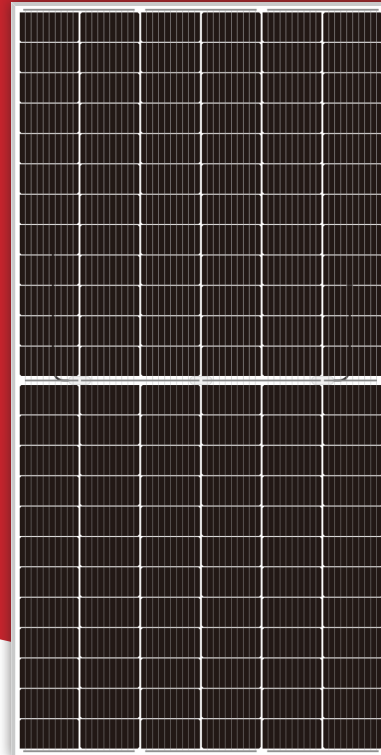
SUNOVA SOLAR

Leading one-stop PV Supplier

HI-M10

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.



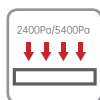
Better light trapping and current collection to improve module power output and reliability.



Industry leading lowest thermal co-efficient of power.



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

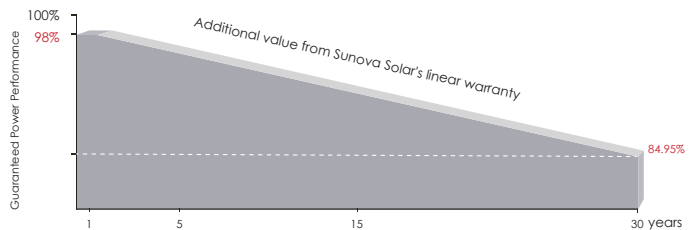


Certified to withstand: wind load (2400 Pa) and snow load (5400 Pa).



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

LINEAR PERFORMANCE WARRANTY



15 years

Product quality & process guarantee

30 years

Linear power guarantee

0.45 %

Annual Degradation Over 30 years

COMPREHENSIVE CERTIFICATES



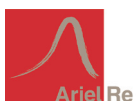
ISO 9001: Quality Management System

ISO 14001: Environmental Management System Standard

OHSAS 18001: 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 SZ

ELECTRIC CHARACTERISTICS

Model of modules	SS-BG535-72MDH		SS-BG540-72MDH		SS-BG545-72MDH		SS-BG550-72MDH	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power — P_{mp} (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
Maximum power voltage — V_{mp} (V)	40.66	37.92	40.71	38.11	40.76	38.19	40.83	38.25
Maximum power current — I_{mp} (A)	13.16	10.51	13.27	10.56	13.38	10.64	13.48	10.73
Module efficiency — η_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)

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
Maximum power voltage — V_{mp} (V)	40.66	40.71	40.76	40.83
Maximum power current — I_{mp} (A)	14.09	14.20	14.31	14.40
Irradiance ratio (rear/front)	10%			

STRUCTURAL CHARACTERISTICS

Module size (L*W*H)	2279 x 1134 x 35mm
Weight	32.3 kg
Number of cells	144 cells
Cell	PERC Monocrystalline 182x91 mm
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	300 mm or Customized Length
Connector	MC4 Compatible
Packing Specification	31 pcs/Pallet; 620 pcs/40'HQ

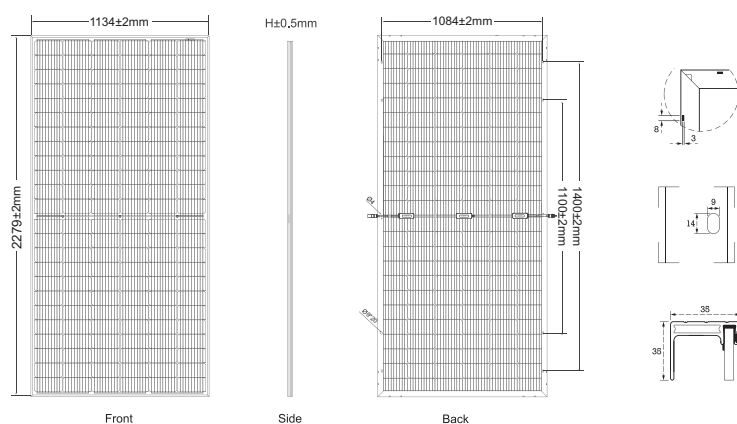
OPERATING PARAMETERS

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

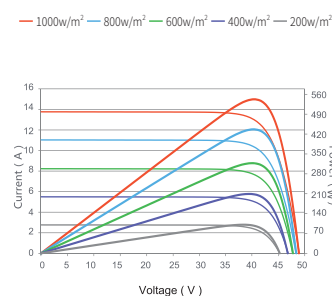
TEMPERFORMANCE RATINGS

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 °C

MODULE DIMENSIONS (MM)



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



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

