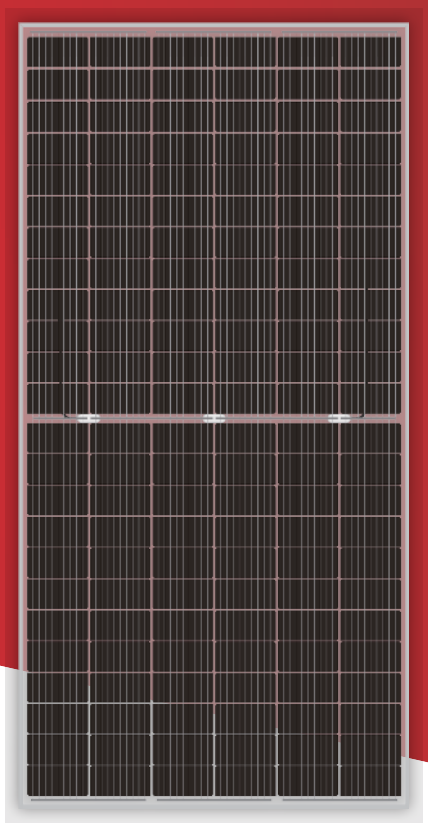
SUNOVA SOLAR

Pv Tech Expert.

HI-MILO

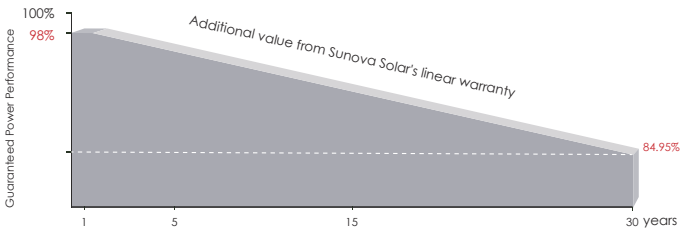
535-550W

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

ISO 45001: International Occupational Health and Safety Assessment System Standard

SA 8000: 2014 Social Accountability Management System

* Different markets have different certification requirements.
Also, the products are under rapid innovation.
Please confirm the certification status with regional sales representatives.

PERFORMANCE INSURANCE

Ariel Re

LLOYD'S Underwriters

中国平安 PING AN P & C INSURANCE CO CN SZN

* Optional performance warranty insurance.
Please contact our local sales staff for more information.

MADE IN CHINA / VIETNAM

www.sunova-solar.com

ELECTRIC CHARACTERISTICS

144 cells

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/m^2, Cell Temperature 25 °C , Spectra at AM1.5
NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m^2, Ambient Temperature 20°C , Spectra at AM1.5, Wind at 1m/s

ELECTRICAL CHARACTERISTICS WITH DIFFERENT POWER BIN (REFERENCE TO 13.5% IRRADIANCE RATIO)

Maximum power — P_{mp} (W)	586	591	597	602
Open-circuit voltage — V_{oc} (V)	49.34	49.40	49.51	49.60
Short-circuit current — I_{sc} (A)	15.09	15.16	15.26	15.37
Maximum power voltage — V_{mp} (V)	40.66	40.71	40.76	40.83
Maximum power current — I_{mp} (A)	14.40	14.52	14.64	14.75

STRUCTURAL CHARACTERISTICS

Module size (L*W*H)	2278 x 1134 x 30 mm
Weight	32.3 kg
Cell	144 cells, PERC Monocrystalline 182x91 mm
Front Glass	2.0mm, Anti-Reflection Coating
Back Glass	2.0mm, Heat Strengthened Glass
Frame	Anodized aluminum alloy
Junction box	IP68, 3 bypass diodes
Output wire	4.0 mm^2
Wire length	300mm/customized
Connector	PV-KST4-EVO 2/xy_UR,PV-KBT4-EVO 2/xy_UR
Packing Specification	36 pcs/Pallet; 720 pcs/40'HQ

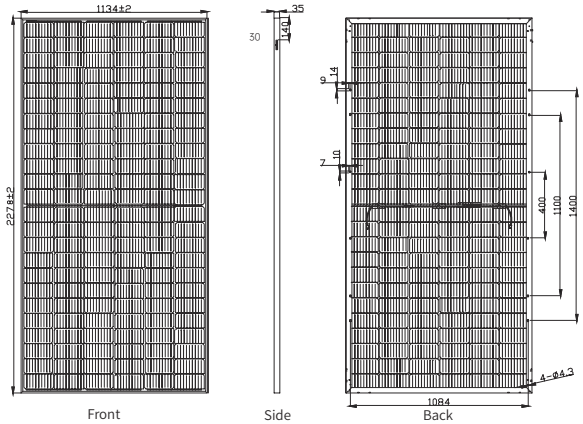
OPERATING PARAMETERS

Power tolerance (W)	(0,+5)
Tolerance of rated Pmpp (%)	±3
Maximum system voltage (V)	1500
Maximum rated fuse current (A)	30
Current operating temperature (°C)	-40~+85 °C
Mechanical load	5400 Pa / 2400 Pa
Fire safety class	C

TEMPERATURE RATINGS

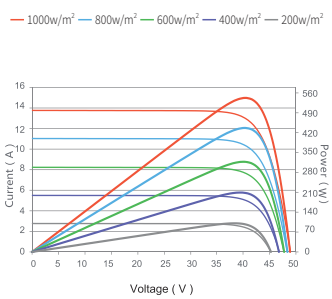
Temperature coefficient (P_{max})	-0.35%/°C
Temperature coefficient (V_{oc})	-0.28 %/°C
Temperature coefficient (I_{sc})	+0.04 %/°C
Nominal operating cell temperature	43±2 °C

MODULE DIMENSIONS (MM)

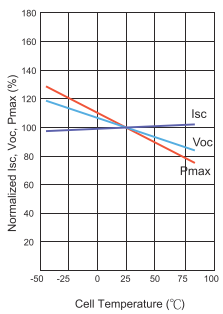


* The tolerance is ±1 mm
Length shown in mm

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



Temperature Dependence of Isc,Voc,Pmax



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