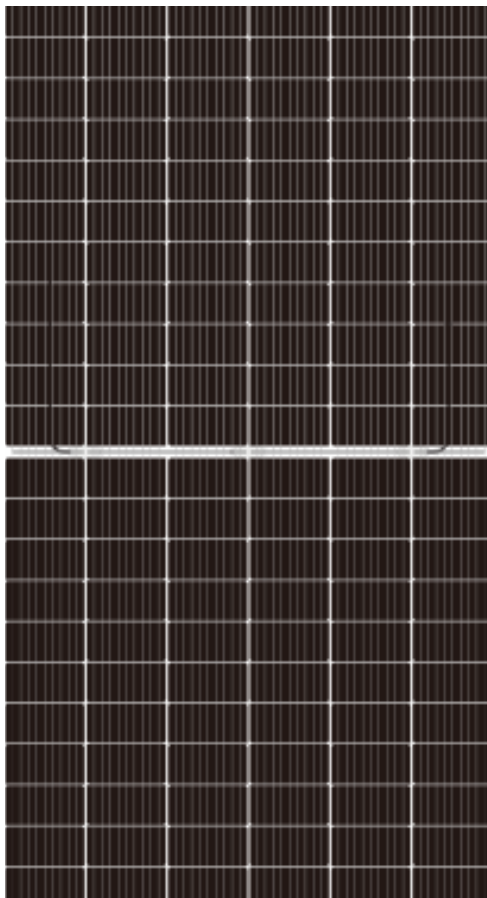


Sunova Solar Panels

HI-MILO Series
 SS-BG550-72MDH
535-550Wp



Nominal Power: 535-550Wp



Wind/Snow Load: 2400/5400Pa



Dimension: 2279 x 1134 x 35mm



Efficiency: Up to 21.3 %

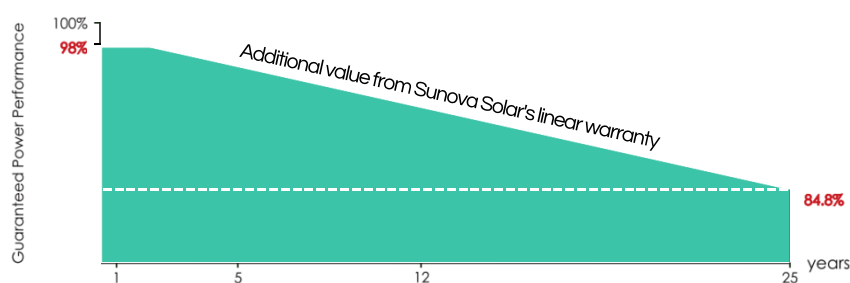


Maximum System Voltage: 1500 V



Weight: 32.3 kg

Linear Performance Warranty



25 Years

Linear power guarantee

15 Years

Product quality & process guarantee

0.55 %

Annual Degradation Over 25 years

Comprehensive Certificates

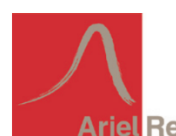


ISO 9001: Quality Management System

ISO 14001: Environmental Management System Standard

OHSAS 18001: International Occupational Health and Safety Assessment System Standard

Performance Insurance



中国平安

PING AN P & C INSURANCE CO CN SZN

Electric Characteristics

Model of modules	SS-BG53572MDH		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

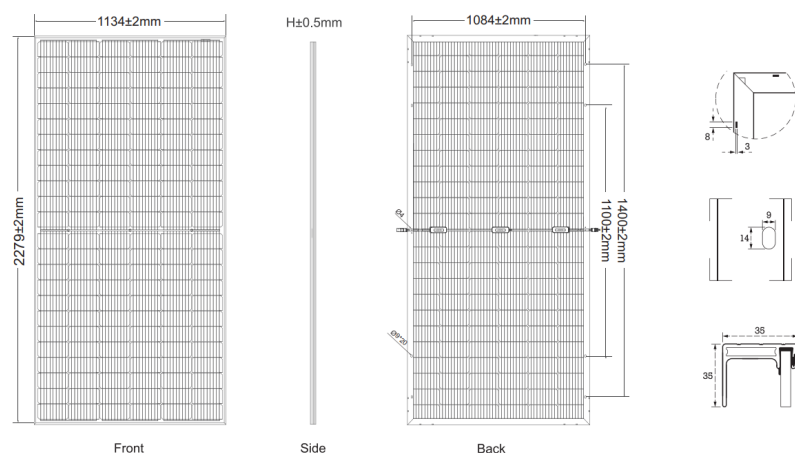
Temperformance Ratings

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

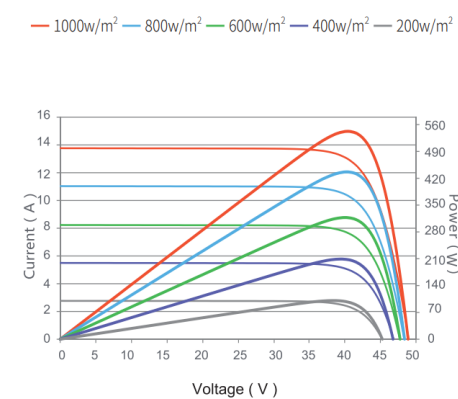
Operating Parameters

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

Module Dimensions (MM)



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



Temperature Dependence of Isc, Voc, Pmax

