SS8-72HD 535-555M

Bifacial Dual Glass Module

High Power Output
Solarspace efficient cells with MBB and high-density encapsulation ensures higher power output

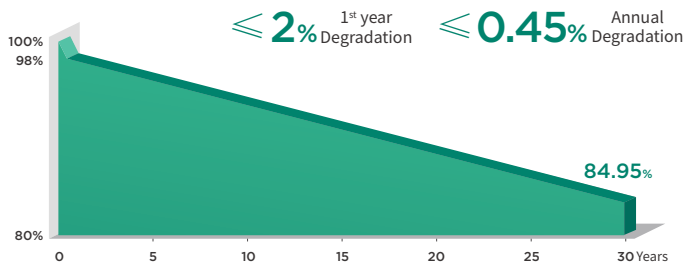
High Reliability
Excellent harsh tests results and advanced half-cell tech improve product reliability for long-term life cycle

More Power Generation
Gallium doped wafers reduce annual power degradation, optimized circuit design ensures more power generation under shading

High ROI
Bifacial power generation reduces BOS and system LCOE dramatically, promoting the project ROI

555W
Maximum Power Output

21.5%
Maximum Module Efficiency



12 Years Product Warranty **30** Years Linear Power Warranty

SolarSpace Technology Co., Ltd. was established in 2010, as a world leading solar cell and module manufacturer, concentrating on high efficient solar-technology production with 30GW+ capacity of solar cell and 6GW capacity of solar module in China and overseas.

Comprehensive Certificates

- IEC61701 • IEC62716 • DINEN60068-2-68
- ISO9001:2015: Quality Management System
- ISO14001:2015: Environment Management System
- ISO45001:2018: Occupational Health and Safety Management Systems

*Please refer to SolarSpace for details

Electric Characteristics

STC: Irradiation 1000W/m², Cell Temperature 25°C, AM=1.5

Module Type	SS8-72HD -535M		SS8-72HD -540M		SS8-72HD -545M		SS8-72HD -550M		SS8-72HD -555M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax) [W]	535	405	540	408	545	412	550	416	555	420
Open-Circuit Voltage (Voc)[V]	49.44	46.31	49.61	46.43	49.76	46.55	49.91	46.68	50.03	46.84
Maximum Power Voltage (Vmp) [V]	41.46	38.84	41.65	39.00	41.81	39.21	41.97	39.44	42.15	39.67
Short-Circuit Current (Isc)[A]	13.78	11.05	13.85	11.10	13.92	11.13	14.02	11.18	14.07	11.22
Maximum Power Current (Imp) [A]	12.90	10.43	12.97	10.47	13.04	10.51	13.10	10.55	13.17	10.59
Module Efficiency	20.71%		20.90%		21.10%		21.29%		21.48%	
Power Tolerance	0~+3%									
Temperature coefficient of Isc	+0.045%/°C									
Temperature coefficient of Voc	-0.275%/°C									
Temperature coefficient of Pmax	-0.350%/°C									

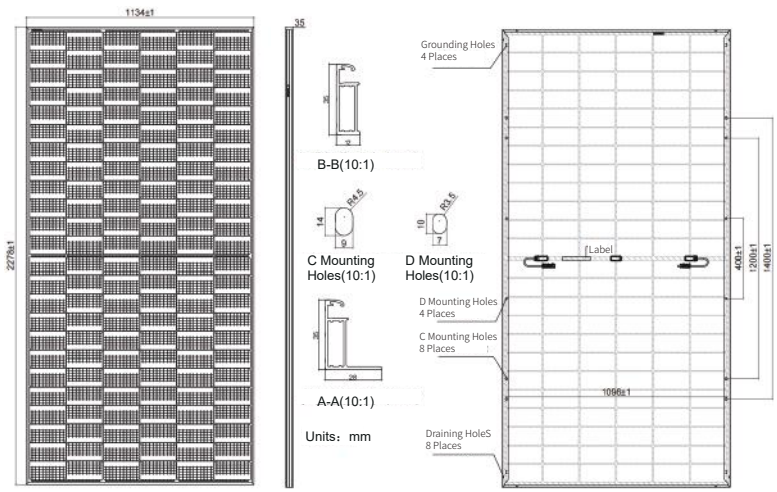
Bifacial Output-Rearside Power Gain (545 W)

Power Gain	5%	10%	15%	20%	25%
Maximum Power (Pmax) [W]	572	600	627	654	681
Open-Circuit Voltage (Voc)[V]	49.77	49.77	49.77	49.87	49.87
Maximum Power Voltage (Vmp) [V]	41.81	41.82	41.82	41.92	41.92
Short-Circuit Current (Isc)[A]	14.59	15.29	15.99	16.68	17.37
Maximum Power Current (Imp) [A]	13.69	14.35	15.01	15.64	16.26

Mechanical Characteristics

Cell Type	Mono PERC (M10)
Number of Cells	144(6x24)
Dimensions	2278X1134X35mm
Weight	31.0kg
Glass	Front Glass, 2.0mm AR coated tempered glass
	Back Glass, 2.0mm glazed tempered glass
Frame	Silver, Anodized Aluminum Alloy
Output Cables	4mm²(IEC),12AWG(UL) 300mm (including connector) or Customized Length
Junction Box	IP68 Rated, 3 diodes
Connector	MC-EVO2 or MC4 Compatible
Packaging	31 Pieces/Pallet, 620 pieces/40' container

Engineering Design

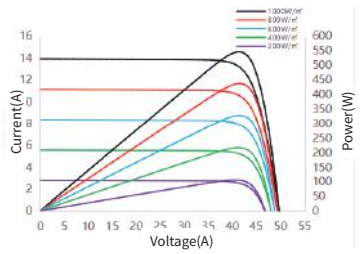


Operating Conditions

Maximum System Voltage	1500V DC(IEC)
Operating Temperature	-40°C~+85°C
Maximum Series Fuse Rating	25A
Mechanical Load Front Rear	5400Pa
Mechanical Load Back Rear	2400Pa
Nominal operating cell temperature	45±2°C
Bifaciality	70±10%

Characteristics

I-V/P-V Curve at Different Irradiation
SS8-72HD-545M



I-V Curve at Different Temperature
SS8-72HD-545M