



570W

Maximum Power Output

22.1%

Maximum Module Efficiency

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.

SS8-72HD 550-570N

N-TOPCon Bifacial Dual Glass Module



Super Power Output

SolarSpace advanced TOPCon cells combined with MBB and high-density encapsulation provides ultra-high power output



High Reliability

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



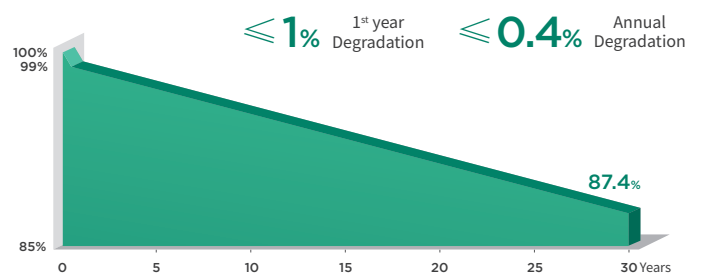
Extra power generation

N-type wafers and cells bring ultralow LID&LeTID degradation, less than 1% 1st year degradation guaranteed, in addition lower temperature coefficient and better weak-light response provide extra power generation



High ROI

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



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

Comprehensive Certificates

- IEC61215
- IEC61730
- IEC61701
- IEC62716
- DINEN60068
- ISO9001:2015: Quality Management System
- ISO14001:2015: Environment Management System
- ISO45001:2018: Occupational Health and Safety Management Systems



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

Module Type	SS8-72HD -550N		SS8-72HD -555N		SS8-72HD -560N		SS8-72HD -565N		SS8-72HD -570N	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax) [W]	550	414	555	417	560	421	565	425	570	429
Open-Circuit Voltage (Voc)[V]	50.28	47.75	50.48	47.94	50.68	48.13	50.88	48.32	51.08	48.51
Maximum Power Voltage (Vmp) [V]	41.61	39.17	41.77	39.28	41.96	39.39	42.14	39.50	42.29	39.61
Short-Circuit Current (Isc)[A]	14.00	11.31	14.06	11.36	14.12	11.41	14.18	11.46	14.24	11.50
Maximum Power Current (Imp) [A]	13.22	10.57	13.29	10.62	13.35	10.69	13.41	10.76	13.48	10.84
Module Efficiency	21.29%		21.48%		21.68%		21.87%		22.07%	
Power Tolerance					0~+3%					
Temperature coefficient of Isc					+0.046%/°C					
Temperature coefficient of Voc					-0.250%/°C					
Temperature coefficient of Pmax					-0.300%/°C					

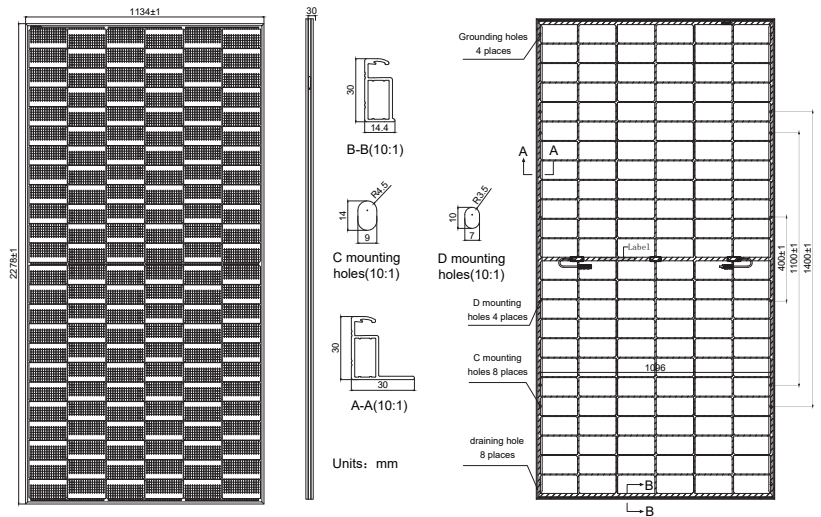
Bifacial Output-Rearside Power Gain (565 W)

	5%	10%	15%	20%	25%
Power Gain	5%	10%	15%	20%	25%
Maximum Power (Pmax) [W]	593	622	650	678	706
Open-Circuit Voltage (Voc)[V]	50.80	50.80	50.80	50.90	50.90
Maximum Power Voltage (Vmp) [V]	42.52	42.52	42.52	42.53	42.53
Short-Circuit Current (Isc)[A]	14.62	15.17	15.71	16.27	16.83
Maximum Power Current (Imp) [A]	13.96	14.63	15.29	15.95	16.61

Mechanical Characteristics

Cell Type	TOPCon Mono N-Type
Number of Cells	144(6x24)
Dimensions	2278X1134X30mm
Weight	31.2kg
Glass	Front Glass, 2.0mm AR coated tempered glass Back Glass, 2.0mm glazed tempered glass
Frame	Silver, Anodized Aluminum Alloy
Output Cables	4mm ² (IEC),12AWG(UL) 300mm (including connector) or Customized Length
Junction Box	IP68 Rated, 3 diodes
Connector	MC-EVO2 or MC4 Compatible
Packaging	36 Pieces/Pallet, 720 pieces/40' container

Engineering Design

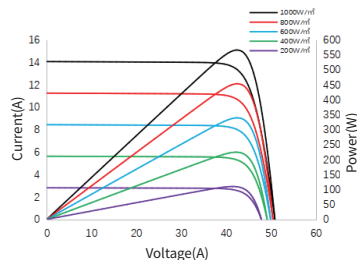


Operating Conditions

Maximum System Voltage	1500V DC(IEC)
Operating Temperature	-40°C~+85°C
Maximum Series Fuse Rating	30A
Mechanical Load Front Rear	5400Pa
Mechanical Load Back Rear	2400Pa
Nominal operating cell temperature	45±2°C
Bifaciality	80±5%

Characteristics

I-V/P-V Curve at Different Irradiation SS8-72HD-565N



I-V Curve at Different Temperature SS8-72HD-565N

