Lumina II

585W
Maximum
Power Output

22.7%
Maximum
Module Efficiency

SolarSpace Technology Co., Ltd. was established in 2011, as a world leading solar cell and module manufacturer, concentrating on high efficient solar-technology production with 30GW+ capacity of solar cell and 5.7GW capacity of solar module in China and overseas.

*Please refer to SolarSpace for details

SS8-72HD **560-585N**

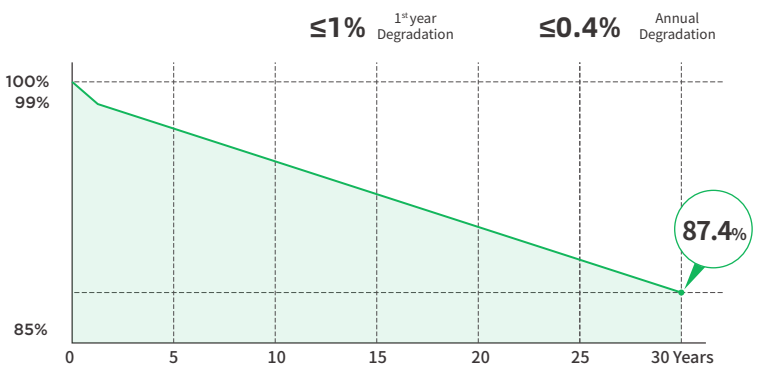
N-TOPCon Bifacial Dual Glass Module

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 • IEC60068
- 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 NMOT: Irradiance 800 W/m² , Ambient Temperature 20 °C, Wind Speed 1 m/s, AM=1.5

Module Type	SS8-72HD -560N		SS8-72HD -565N		SS8-72HD -570N		SS8-72HD -575N		SS8-72HD -580N		SS8-72HD -585N	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax) [W]	560	421	565	425	570	429	575	433	580	437	585	441
Open-Circuit Voltage (Voc)[V]	50.68	48.13	50.88	48.32	51.08	48.51	51.28	48.70	51.48	48.89	51.68	49.08
Maximum Power Voltage (Vmp) [V]	41.96	39.39	42.14	39.50	42.29	39.62	42.44	39.73	42.59	39.84	42.77	39.95
Short-Circuit Current (Isc)[A]	14.12	11.41	14.18	11.46	14.24	11.50	14.30	11.55	14.36	11.59	14.42	11.64
Maximum Power Current (Imp) [A]	13.35	10.69	13.41	10.76	13.48	10.83	13.55	10.90	13.62	10.97	13.68	11.04
Module Efficiency	21.68%		21.87%		22.07%		22.26%		22.45%		22.65%	
Power Tolerance	0~+5W											
Temperature coefficient of Isc	+0.046%/°C											
Temperature coefficient of Voc	-0.250%/°C											
Temperature coefficient of Pmax	-0.300%/°C											

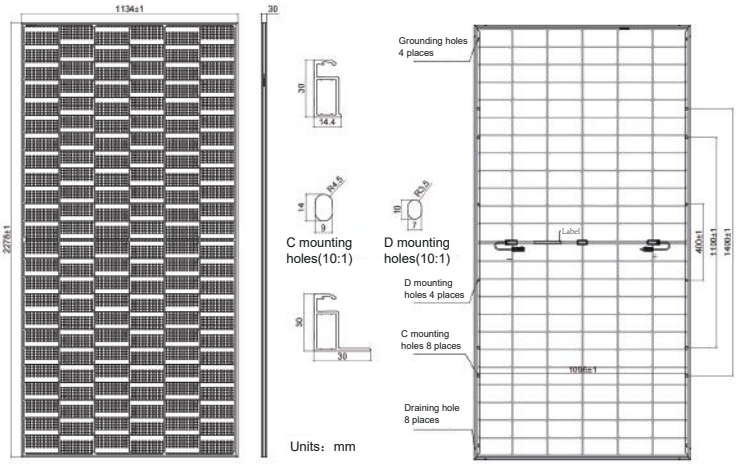
Bifacial Output-Rearside Power Gain (575 W)

Power Gain	5%	10%	15%	20%	25%
Maximum Power (Pmax) [W]	604	633	662	690	719
Open-Circuit Voltage (Voc)[V]	51.20	51.20	51.20	51.30	51.30
Maximum Power Voltage (Vmp) [V]	42.82	42.82	42.82	42.83	42.83
Short-Circuit Current (Isc)[A]	14.74	15.30	15.84	16.41	16.97
Maximum Power Current (Imp) [A]	14.11	14.78	15.46	16.12	16.79

Mechanical Characteristics

Cell Type	N-TOPCon(M10)
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	4mm²(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

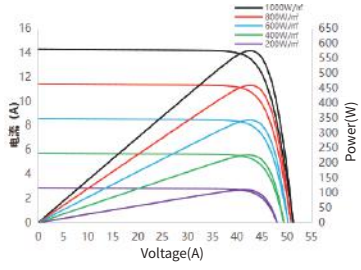


Operating Conditions

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-575N



I-V Curve at Different Temperature
SS8-72HD-575N