



Lumina II



Super Power Output

SolarSpace advanced N-Type 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

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 60GW+ capacity of solar cell and 7.2GW capacity of solar module in China and overseas.

*Please refer to SolarSpace for details

SS8-72HD

565-585N

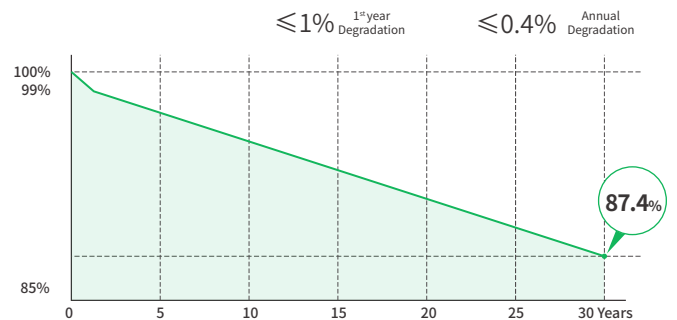
N-Type Bifacial Dual Glass Module

585W

Maximum Power Output

22.65%

Maximum Module Efficiency



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

Comprehensive Certificates

- IEC61215 • IEC61730
- IEC61701: Salt mist corrosion test • IEC62716: Ammonia corrosion test
- IEC60068: Dust and Sand test
- ISO9001:2015: Quality Management System
- ISO14001:2015: Environment Management System
- ISO45001:2018: Occupational Health and Safety Management Systems



Electric Characteristics (STC)

Module Type	SS8-72HD -565N	SS8-72HD -570N	SS8-72HD -575N	SS8-72HD -580N	SS8-72HD -585N
Maximum Power (Pmax) [W]	565	570	575	580	585
Open-Circuit Voltage (Voc)[V]	50.88	51.08	51.28	51.48	51.68
Maximum Power Voltage (Vmp) [V]	42.14	42.29	42.44	42.59	42.77
Short-Circuit Current (Isc)[A]	14.18	14.24	14.30	14.36	14.42
Maximum Power Current (Imp) [A]	13.41	13.48	13.55	13.62	13.68
Module Efficiency	21.87%	22.07%	22.26%	22.45%	22.65%

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

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

Electric Characteristics (NMOT)

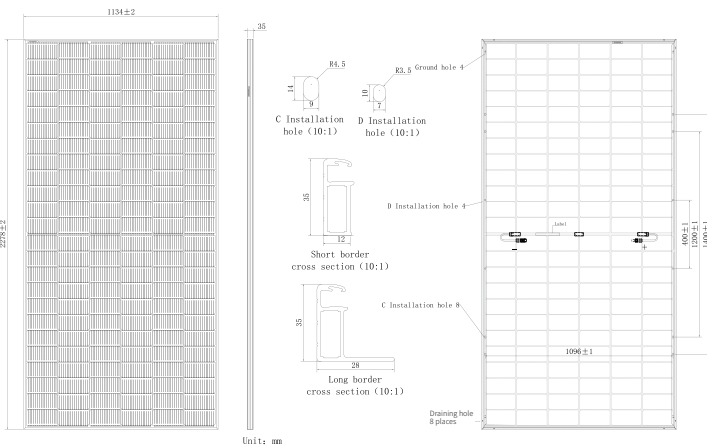
Module Type	SS8-72HD -565N	SS8-72HD -570N	SS8-72HD -575N	SS8-72HD -580N	SS8-72HD -585N
Maximum Power (Pmax) [W]	425	429	433	437	441
Open-Circuit Voltage (Voc)[V]	48.32	48.51	48.70	48.89	49.08
Maximum Power Voltage (Vmp) [V]	39.50	39.62	39.73	39.84	39.95
Short-Circuit Current (Isc)[A]	11.46	11.50	11.55	11.59	11.64
Maximum Power Current (Imp) [A]	10.76	10.83	10.90	10.97	11.04

Irradiance 800 W/m², Ambient Temperature 20 °C, Wind Speed 1 m/s, AM=1.5

Temperature coefficients

Temperature coefficient of Isc	+0.045%/°C
Temperature coefficient of Voc	-0.260%/°C
Temperature coefficient of Pmax	-0.290%/°C
NMOT	45 ± 2°C

Engineering Design



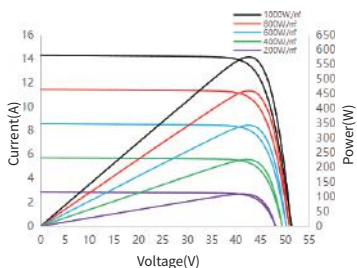
Mechanical Characteristics

Cell Type	N-Type
Number of Cells	144(6x24)
Dimensions	2278X1134X35mm
Weight	31.5kg
Glass	Front Glass, 2.0mm AR coated semi-tempered glass Back Glass, 2.0mm white glazed semi-tempered glass
Frame	Anodized Aluminum Alloy
Output Cables	4mm ² (IEC),12AWG(UL), 300mm (including connector)
Junction Box	IP68 Rated, 3 diodes
Connector	MC4-EVO2 or MC4 Compatible
Packaging	31 Pieces/Pallet, 620 pieces/40' container

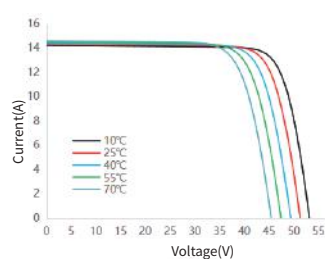
Frame color and cable length are subject to the actual order

Characteristics

I-V/P-V Curve at Different Irradiation
SS8-72HD-575N



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



Operating Conditions

Maximum System Voltage	1500V DC(IEC)
Power Tolerance	0~+2%
Operating Temperature	-40°C~+85°C
Maximum Series Fuse Rating	30A
Mechanical Load Front Rear	5400Pa
Mechanical Load Back Rear	2400Pa
Bifaciality	80 ± 5%

