



Lumina II



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



Great Adaptability

Sensible dimension design suitable for all scenarios

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 58.75GW+ capacity of solar cell and 5.7GW capacity of solar module in China and overseas.

*Please refer to SolarSpace for details

SS8-72HS

565-585N

Mono-Facial Module

585W

Maximum
Power Output

22.65%

Maximum
Module Efficiency

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	SS8-72HS -565N	SS8-72HS -570N	SS8-72HS -575N	SS8-72HS -580N	SS8-72HS -585N
Maximum Power (Pmax) [W]	565	570	575	580	585
Open-Circuit Voltage (Voc)[V]	50.62	50.76	50.90	51.04	51.18
Maximum Power Voltage (Vmp) [V]	41.95	42.11	42.26	42.41	42.55
Short-Circuit Current (Isc)[A]	14.21	14.29	14.37	14.45	14.53
Maximum Power Current (Imp) [A]	13.47	13.54	13.61	13.68	13.75
Module Efficiency	21.87%	22.07%	22.26%	22.45%	22.65%

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

Temperature coefficients

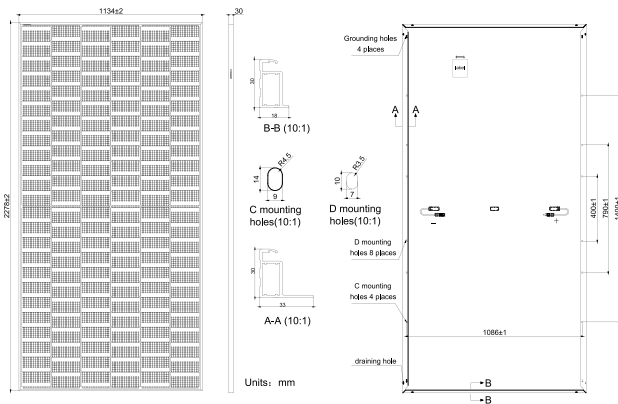
Temperature coefficient of Isc	+0.045%/°C
Temperature coefficient of Voc	-0.260%/°C
Temperature coefficient of Pmax	-0.290%/°C
NMOT	45 ± 2°C

Electric Characteristics (NMOT)

Module Type	SS8-72HS -565N	SS8-72HS -570N	SS8-72HS -575N	SS8-72HS -580N	SS8-72HS -585N
Maximum Power (Pmax) [W]	425	429	432	436	440
Open-Circuit Voltage (Voc)[V]	48.07	48.21	48.34	48.48	48.61
Maximum Power Voltage (Vmp) [V]	39.40	39.52	39.61	39.72	39.83
Short-Circuit Current (Isc)[A]	11.48	11.55	11.62	11.68	11.75
Maximum Power Current (Imp) [A]	10.79	10.86	10.91	10.98	11.05

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

Engineering Design



Mechanical Characteristics

Cell Type	Mono TOPCon
Number of Cells	144(6x24)
Dimensions	2278X1134X30mm
Weight	27.5kg
Glass	Single glass, 3.2mm coated tempered glass
Frame	Anodized Aluminum Alloy
Output Cables	4mm ² (IEC),12AWG(UL) 300mm (including connector) or Customized Length
Junction Box	IP68 Rated, 3 diodes
Connector	MC4-EVO2 or MC4 Compatible
Packaging	36 Pieces/Pallet, 720 pieces/40' container

Operating Conditions

Maximum System Voltage	1500V DC
Power Tolerance	0~+3%
Operating Temperature	-40°C~+85°C
Maximum Series Fuse Rating	25A
Mechanical Load Front Rear	5400Pa
Mechanical Load Back Rear	2400Pa