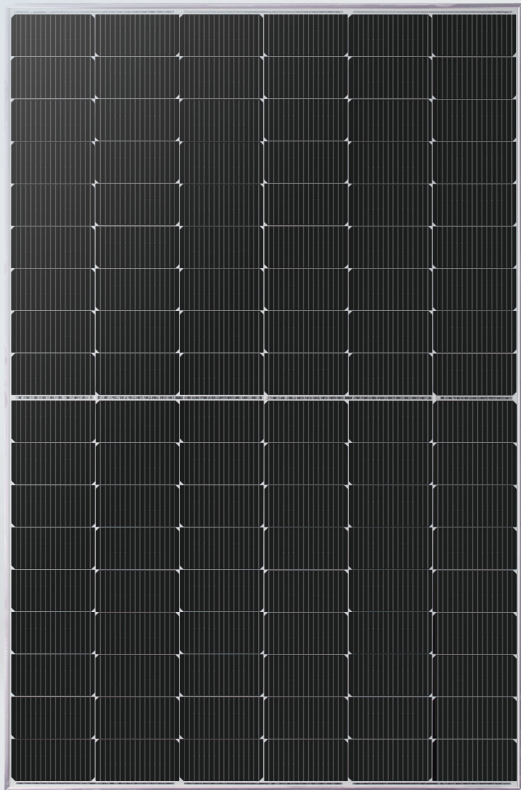


Lumina II



430W

Maximum Power Output

22.0%

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.

SS8-54HD 410-430N

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



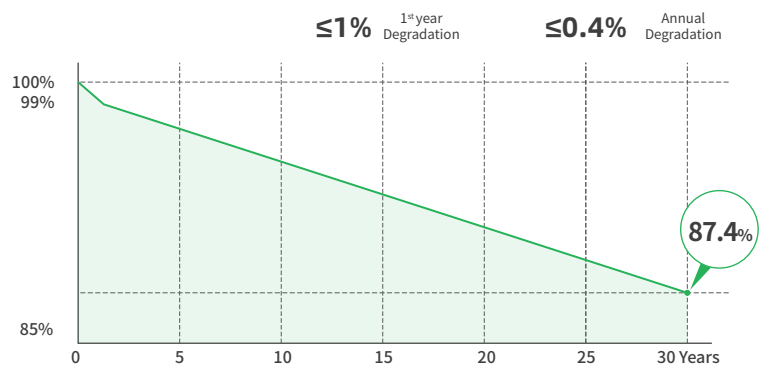
Extra power generation

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



15Years 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	SS8-54HD -410N	SS8-54HD -415N	SS8-54HD -420N	SS8-54HD -425N	SS8-54HD -430N
Maximum Power (Pmax) [W]	410	415	420	425	430
Open-Circuit Voltage (Voc)[V]	37.72	37.91	38.10	38.29	38.48
Maximum Power Voltage (Vmp) [V]	31.12	31.31	31.50	31.69	31.87
Short-Circuit Current (Isc)[A]	13.92	14.00	14.08	14.16	14.24
Maximum Power Current (Imp) [A]	13.18	13.26	13.34	13.42	13.50
Module Efficiency	21.00%	21.25%	21.51%	21.76%	22.02%
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				

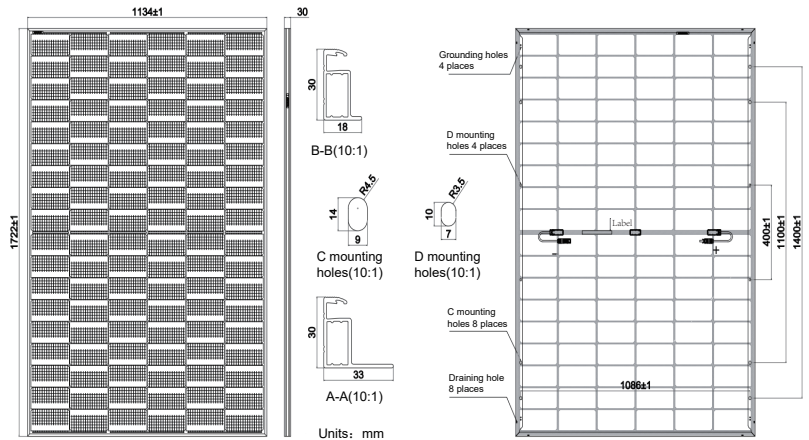
Bifacial Output-Rearside Power Gain (420 W)

Power Gain	5%	10%	15%	20%	25%
Maximum Power (Pmax) [W]	441	462	483	504	525
Open-Circuit Voltage (Voc)[V]	38.10	38.10	38.10	38.20	38.20
Maximum Power Voltage (Vmp) [V]	31.50	31.50	31.50	31.60	31.60
Short-Circuit Current (Isc)[A]	14.51	15.06	15.60	16.16	16.71
Maximum Power Current (Imp) [A]	14.01	14.68	15.35	15.96	16.62

Mechanical Characteristics

Cell Type	N-TOPCon(M10)
Number of Cells	108(6x18)
Dimensions	1722x1134x30mm
Weight	22.0kg
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) 1000mm (including connector) or Customized Length
Junction Box	IP68 Rated, 3 diodes
Connector	MC-EVO2 or MC4 Compatible
Packaging	36 Pieces/Pallet, 936 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%
Safety Class	Class II
Fire Rating	Class A

Characteristics

