



Lumina II



High Power Output

With 210 large wafer technology and slicing technology, multi-grid technology, high-density module packaging to ensure higher power output of modules



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 ~10GW capacity of solar module in China and overseas.

*Please refer to SolarSpace for details

SS9-66HD

695-715N

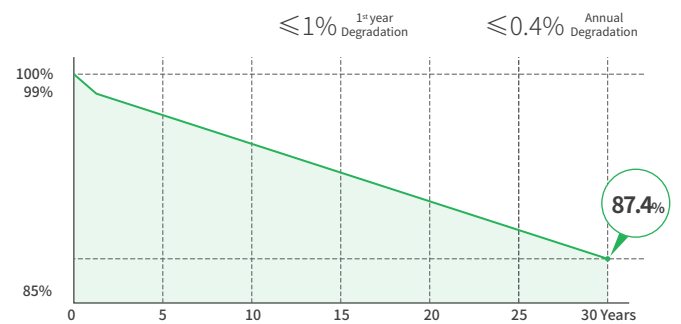
N-Type Bifacial Dual Glass Module

715W

23.02%

Maximum Power Output

Maximum Module Efficiency



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

Comprehensive Certificates

- IEC61215
- IEC61730
- UL61215
- UL61730
- 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	SS9-66HD	SS9-66HD	SS9-66HD	SS9-66HD	SS9-66HD
	-695N	-700N	-705N	-710N	-715N
Maximum Power (Pmax) [W]	695	700	705	710	715
Open-Circuit Voltage (Voc) [V]	48.00	48.20	48.40	48.60	48.80
Maximum Power Voltage (Vmp) [V]	40.30	40.50	40.70	40.90	41.10
Short-Circuit Current (Isc) [A]	18.28	18.32	18.36	18.40	18.44
Maximum Power Current (Imp) [A]	17.25	17.29	17.33	17.36	17.40
Module Efficiency	22.37%	22.53%	22.70%	22.86%	23.02%

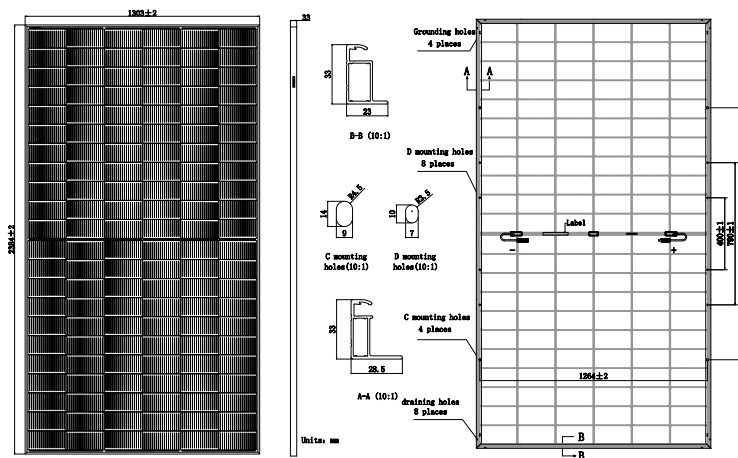
Irradiation 1000W/m², Cell Temperature 25°C, AM=1.5

Electric Characteristics (NMOT)

Module Type	SS9-66HD	SS9-66HD	SS9-66HD	SS9-66HD	SS9-66HD
	-695N	-700N	-705N	-710N	-715N
Maximum Power (Pmax) [W]	530	534	538	542	546
Open-Circuit Voltage (Voc) [V]	45.50	45.70	45.90	46.10	46.30
Maximum Power Voltage (Vmp) [V]	37.60	37.80	38.00	38.20	38.40
Short-Circuit Current (Isc) [A]	14.76	14.80	14.84	14.88	14.92
Maximum Power Current (Imp) [A]	14.10	14.13	14.16	14.19	14.22

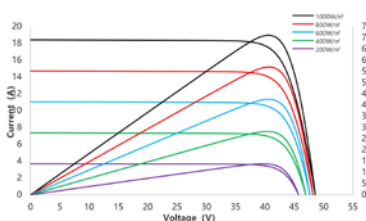
Irradiance 800 W/m², Ambient Temperature 20 °C, Wind Speed 1 m/s, AM=1.5

Engineering Design

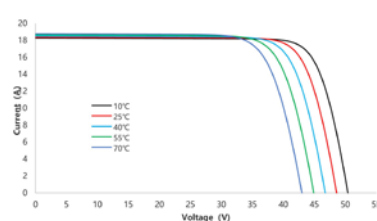


Characteristics

I-V/P-V Curve at Different Irradiation
SS9-66HD-710N



I-V Curve at Different Temperature
SS9-66HD-710N



Bifacial Output-Rearside Power Gain (710W)

Power Gain	5%	10%	15%	20%	25%
	Maximum Power (Pmax) [W]	746	781	817	852
Open-Circuit Voltage (Voc) [V]	48.60	48.60	48.60	48.60	48.60
Maximum Power Voltage (Vmp) [V]	40.90	40.90	40.90	40.90	40.90
Short-Circuit Current (Isc) [A]	19.32	20.24	21.16	22.08	23.00
Maximum Power Current (Imp) [A]	18.23	19.10	19.96	20.83	21.70

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

Mechanical Characteristics

Cell Type	N-Type
Number of Cells	132 (6x22)
Dimensions	2384X1303X33mm
Weight	37.5kg
Glass	Front glass, 2.0mm coated semi-tempered glass Back Glass, 2.0mm 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	PC-SS01 / PC-SS02 / MC4-EVO2 / MC4-EVO2A
Packaging	33 Pieces / Pallet, 594 Pieces / 40' Container

Frame color and cable length are subject to the actual order

Operating Conditions

Maximum System Voltage	1500V DC(UL)
Power Tolerance	0~+3%
Operating Temperature	-40°C~+85°C
Maximum Series Fuse Rating	35A
Mechanical Load Front Rear	5400Pa
Mechanical Load Back Rear	2400Pa
Bifaciality	80±10%