

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 55GW+ capacity of solar cell and ~8GW capacity of solar module in China and overseas.

*Please refer to SolarSpace for details

SS9-66HD

680-710N

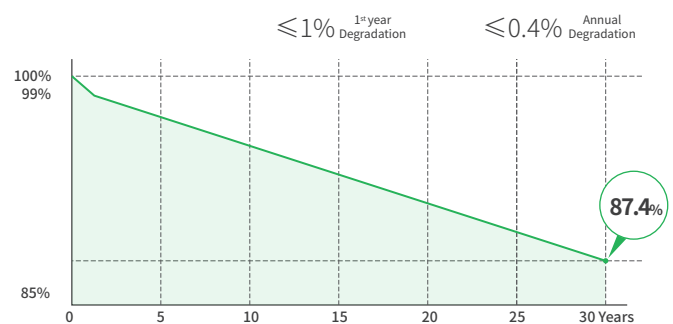
N-Type Bifacial Dual Glass Module

710W

Maximum
Power Output

22.86%

Maximum
Module Efficiency



15Years 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	SS9-66HD -680N	SS9-66HD -685N	SS9-66HD -690N	SS9-66HD -695N	SS9-66HD -700N	SS9-66HD -705N	SS9-66HD -710N
Maximum Power (Pmax) [W]	680	685	690	695	700	705	710
Open-Circuit Voltage (Voc) [V]	47.50	47.60	47.80	48.00	48.20	48.40	48.60
Maximum Power Voltage (Vmp) [V]	39.70	39.90	40.10	40.30	40.50	40.70	40.90
Short-Circuit Current (Isc) [A]	18.17	18.20	18.24	18.28	18.32	18.36	18.40
Maximum Power Current (Imp) [A]	17.14	17.18	17.21	17.25	17.29	17.33	17.36
Module Efficiency	21.89%	22.05%	22.21%	22.37%	22.53%	22.70%	22.86%

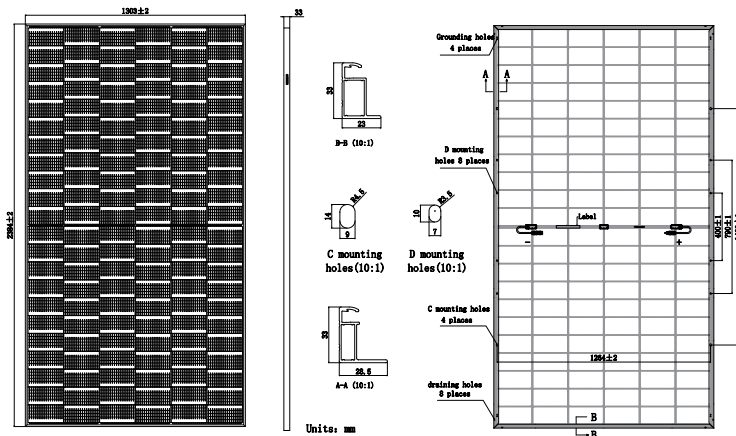
Irradiation 1000W/m², Cell Temperature 25°C, AM=1.5

Electric Characteristics (BNPI)

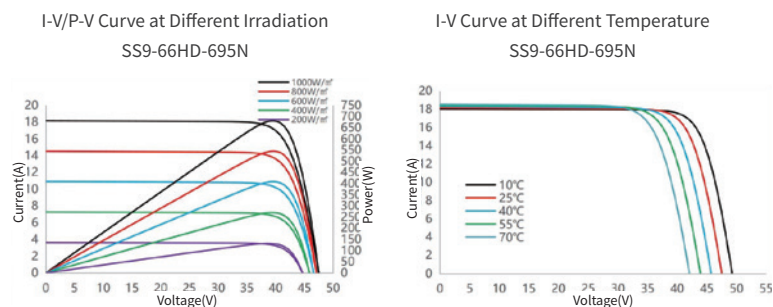
Module Type	SS9-66HD -680N	SS9-66HD -685N	SS9-66HD -690N	SS9-66HD -695N	SS9-66HD -700N	SS9-66HD -705N	SS9-66HD -710N
Maximum Power (Pmax) [W]	750	755	760	765	770	775	780
Open-Circuit Voltage (Voc) [V]	47.50	47.60	47.80	48.00	48.20	48.40	48.60
Maximum Power Voltage (Vmp) [V]	39.70	39.90	40.10	40.30	40.50	40.70	40.90
Short-Circuit Current (Isc) [A]	20.01	20.06	20.11	20.16	20.21	20.26	20.31
Maximum Power Current (Imp) [A]	18.97	19.00	19.03	19.06	19.09	19.12	19.15

Irradiance Front: 1000 W/m² Rear: 135 W/m², Cell Temperature 25 °C, AM=1.5

Engineering Design



Characteristics



Bifacial Output-Rearside Power Gain (695W)

Power Gain	5%	10%	15%	20%	25%
Maximum Power (Pmax) [W]	730	765	799	834	869
Open-Circuit Voltage (Voc) [V]	47.90	47.90	47.90	48.00	48.00
Maximum Power Voltage (Vmp) [V]	40.30	40.30	40.30	40.40	40.40
Short-Circuit Current (Isc) [A]	18.84	19.56	20.25	20.98	21.69
Maximum Power Current (Imp) [A]	18.12	18.99	19.83	20.65	21.51

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	4mm² (IEC), 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' HQ Container

Frame color and cable length are subject to the actual order

Operating Conditions

Maximum System Voltage	1500V DC (IEC)
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%