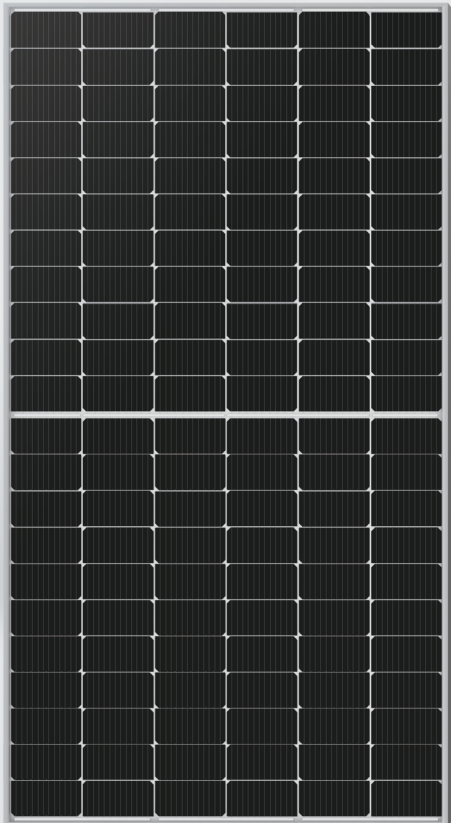


# Lumina I



**670W**

Maximum Power Output

**21.6%**

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.

## SS9-66HS 650-670M

### Mono-Facial Module



#### 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



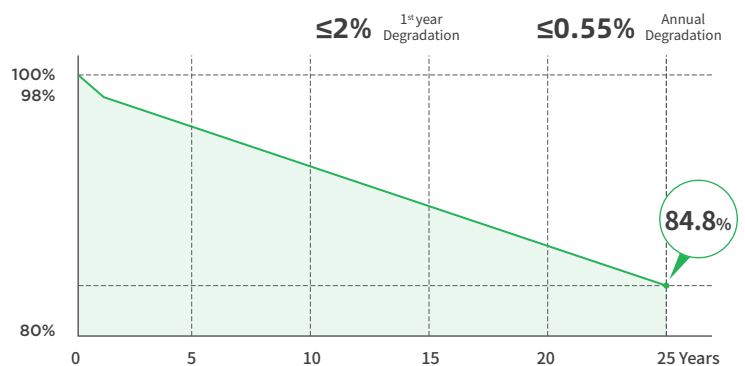
#### More Power Generation

Gallium doped wafers reduce annual power degradation, optimized circuit design ensures more power generation under shading



#### Great Adaptability

Our modules are cost-effective and compatible with mainstream trackers, making them an ideal choice for large power plants



**12** Years Product Warranty **25** 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/m<sup>2</sup>, Cell Temperature 25°C, AM=1.5

Module Type	SS9-66HS -650M	SS9-66HS -655M	SS9-66HS -660M	SS9-66HS -665M	SS9-66HS -670M
Maximum Power (Pmax) [W]	650	655	660	605	670
Open-Circuit Voltage (Voc)[V]	44.80	45.00	45.20	45.40	45.60
Maximum Power Voltage (Vmp) [V]	37.80	38.00	38.20	38.40	38.60
Short-Circuit Current (Isc)[A]	18.47	18.52	18.56	18.60	18.63
Maximum Power Current (Imp) [A]	17.21	17.24	17.28	17.32	17.36
Module Efficiency	20.92%	21.09%	21.25%	21.41%	21.57%
Power Tolerance	0~+5W				
Temperature coefficient of Isc	+0.050%/°C				
Temperature coefficient of Voc	-0.260%/°C				
Temperature coefficient of Pmax	-0.340%/°C				

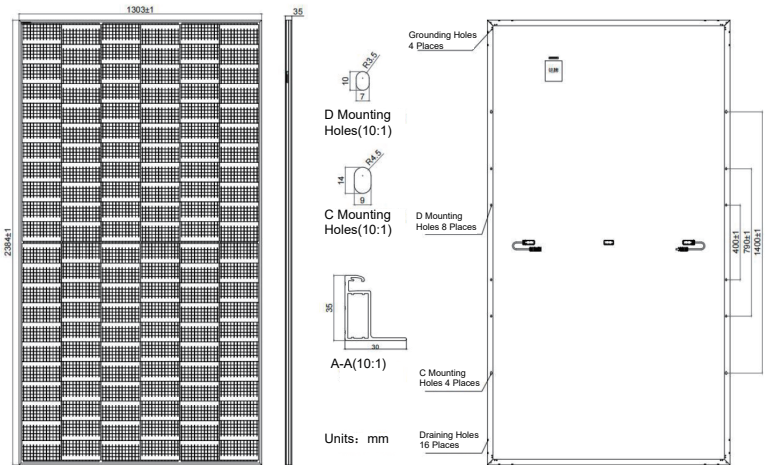
**Electric Characteristics** NMOT: Irradiance 800 W/m<sup>2</sup>, Ambient Temperature 20 °C, Wind Speed 1 m/s, AM=1.5

Module Type	SS9-66HS -650M	SS9-66HS -655M	SS9-66HS -660M	SS9-66HS -665M	SS9-66HS -670M
Maximum Power (Pmax) [W]	487	491	495	499	502
Open-Circuit Voltage (Voc)[V]	42.70	42.90	43.00	43.20	43.40
Maximum Power Voltage (Vmp) [V]	35.60	35.80	36.00	36.20	36.40
Short-Circuit Current (Isc)[A]	14.86	14.89	14.93	14.96	15.01
Maximum Power Current (Imp) [A]	13.69	13.72	13.76	13.79	13.81

**Mechanical Characteristics**

Cell Type	Mono PERC (M12)
Number of Cells	132(6x22)
Dimensions	2384x1303x35mm
Weight	34.5kg
Glass	Single glass, 3.2mm coated tempered glass
Frame	Silver, Anodized Aluminum Alloy
Output Cables	4mm <sup>2</sup> (IEC),12AWG(UL) 300mm (including connector) or Customized Length
Junction Box	IP68 Rated, 3 diodes
Connector	MC-EVO2 or MC4 Compatible
Packaging	31 Pieces/Pallet, 558 pieces/40' container

**Engineering Design**



**Operating Conditions**

Maximum System Voltage	1500V DC
Operating Temperature	-40°C~+85°C
Maximum Series Fuse Rating	30A
Mechanical Load Front Rear	5400Pa(112lb/ft <sup>2</sup> )
Mechanical Load Back Rear	2400Pa (50lb/ft <sup>2</sup> )
Nominal operating cell temperature	43±2°C
Safety Class	Class II
Fire Rating	Class C

**Characteristics**

