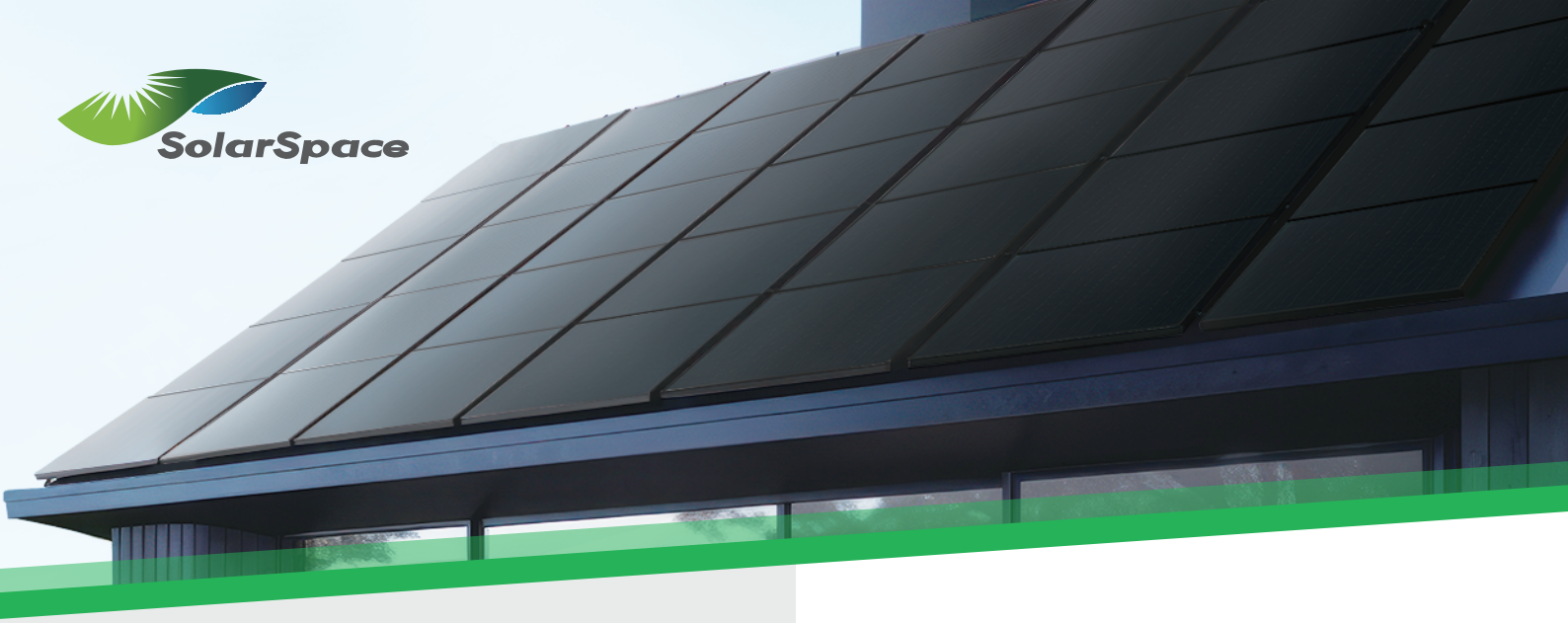


Lumina I

SS8-54HSB 395-405M

All Black Module

High Power Output
Solarspace efficient cells with MBB and high-density encapsulation ensures higher power output

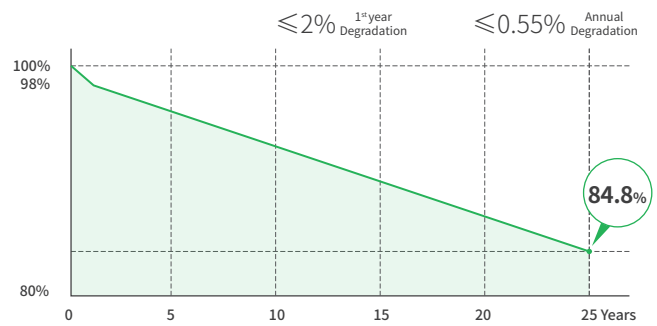
High Reliability
Excellent harsh tests results and advanced half-cell tech improve product reliability for long-term life cycle

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

Aesthetic Design
All black design brings highly consistent appearance for rooftops

405W
Maximum
Power Output

20.74%
Maximum
Module Efficiency



25 Years Product Warranty **25** 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

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 7.2GW capacity of solar module in China and overseas.

*Please refer to SolarSpace for details

Electric Characteristics (STC)

Module Type	SS8-54HSB -395M	SS8-54HSB -400M	SS8-54HSB -405M
Maximum Power (Pmax) [W]	395	400	405
Open-Circuit Voltage (Voc)[V]	36.98	37.07	37.23
Maximum Power Voltage (Vmp) [V]	30.84	31.01	31.21
Short-Circuit Current (Isc)[A]	13.70	13.79	13.87
Maximum Power Current (Imp) [A]	12.81	12.90	12.98
Module Efficiency	20.23%	20.48%	20.74%

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

Temperature coefficients

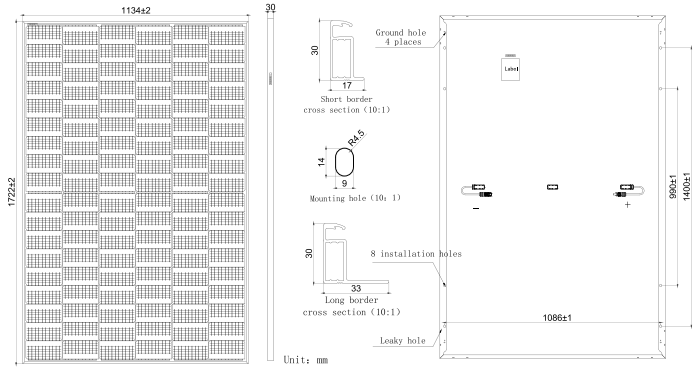
Temperature coefficient of Isc	+0.045%/°C
Temperature coefficient of Voc	-0.265%/°C
Temperature coefficient of Pmax	-0.335%/°C
NMOT	45±2°C

Electric Characteristics (NMOT)

Module Type	SS8-54HSB -395M	SS8-54HSB -400M	SS8-54HSB -405M
Maximum Power (Pmax) [W]	298	302	306
Open-Circuit Voltage (Voc)[V]	34.75	34.88	35.12
Maximum Power Voltage (Vmp) [V]	29.08	29.27	29.49
Short-Circuit Current (Isc)[A]	10.96	11.03	11.10
Maximum Power Current (Imp) [A]	10.25	10.32	10.38

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

Engineering Design

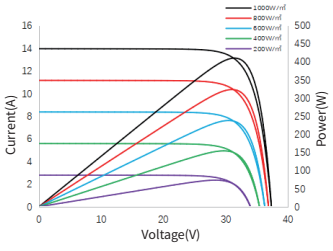


Mechanical Characteristics

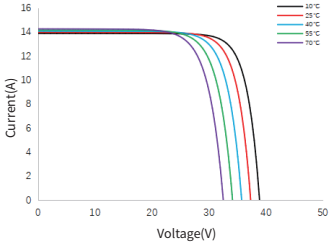
Cell Type	Mono PERC
Number of Cells	108(6x18)
Dimensions	1722X1134X30mm
Weight	21.0kg
Glass	Single glass, 3.2mm coated tempered glass
Frame	Black, Anodized Aluminum Alloy
Output Cables	4mm²(IEC),12AWG(UL) 300mm (including connector) or Customized Length
Junction Box	IP68 Rated, 3 diodes
Connector	MC4-EVO2 or MC4 Compatible
Packaging	36 Pieces/Pallet, 828 pieces/40' container

Characteristics

I-V/P-V Curve at Different Irradiation
SS8-54HSB -400M



I-V Curve at Different Temperature
SS8-54HSB -400M



Operating Conditions

Maximum System Voltage	1500V DC (UL)
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