

Product Information Sheet SNG 670-685 Watt HJT Technology

BIFACIAL 670-685 Watt

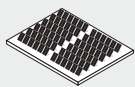
Highest quality with our cells
18 MBB HJT Technology

- ✓ **30 years**
Product Material & Workmanship
- ✓ **30 years**
Linear Performance Warranty
- ✓ **1 %**
1st-year Degradation
- ✓ **0.4 %**
Annual Degradation

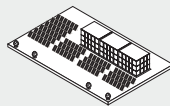
Quality and Safety

-  **Industry-leading power output warranty**
25 years / 89.4 %
30 years / 87.4 %
-  **30-year warranty on materials & workmanship**
-  **Fire Test: Class 1**

- ✓ **Anti-PID Guarantee**
Minimizes the risk of degradation caused by PID phenomena by optimizing cell production technology and material control.
- ✓ **Multi-busbar Technology**
Higher performance, higher reliability, and greater (electrical) resilience.



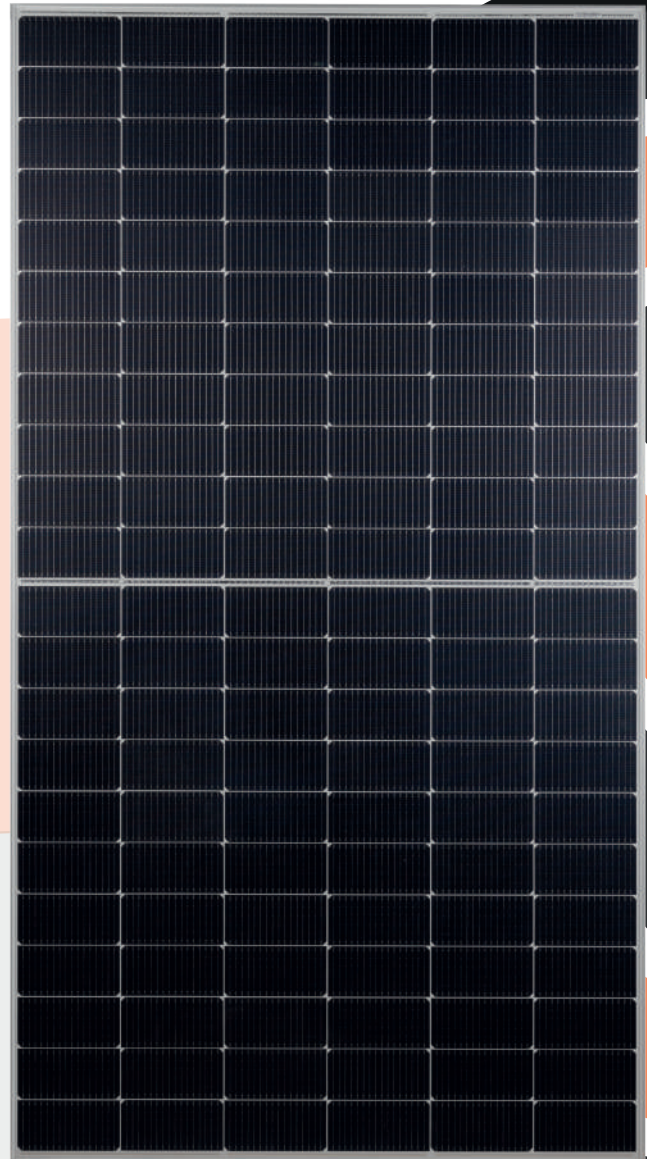
Solar power plants



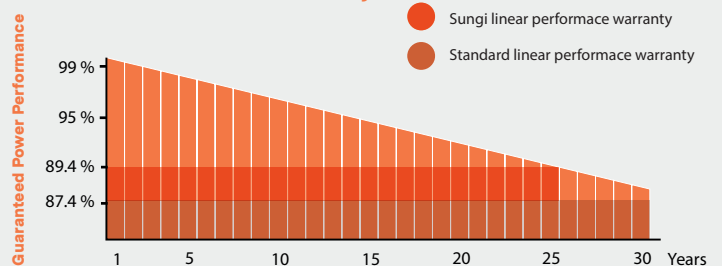
Off-grid systems

Complete System and Product Certifications

IEC 61215 (2021), IEC 61730 (2023), IEC 61701, IEC 62716
ISO 9001:2015: Quality Management System
ISO 14001:2015: Environmental Management System
ISO 45001:2018: Occupational Health and Safety Management System
IEC 62941:2019: Quality System for PV Module Manufacturing



Premium Performance Warranty



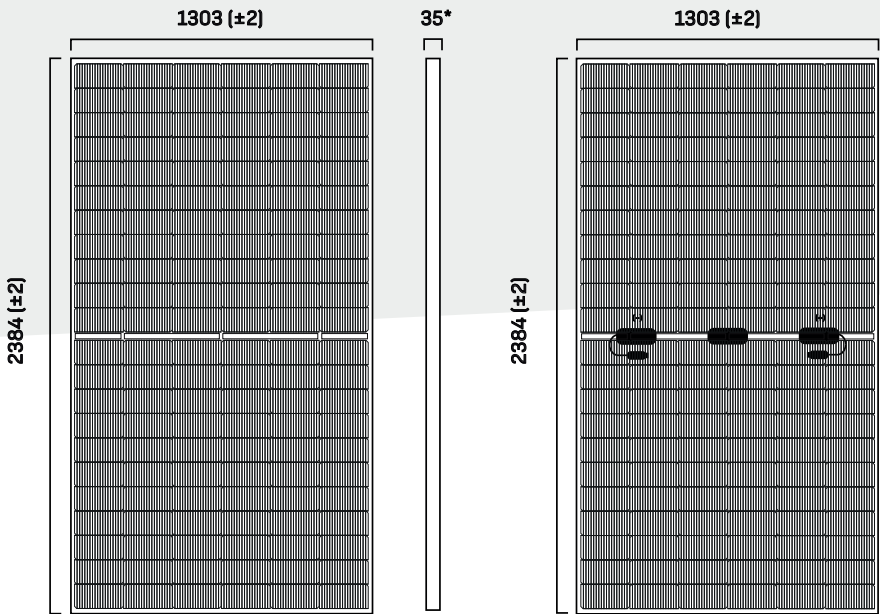
22.21%

30 Y Warranty

Max Module Efficiency

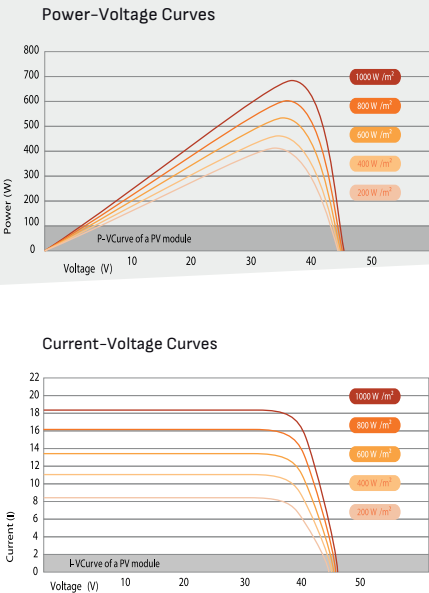
on materials & workmanship

ENGINEERING DRAWINGS (mm)



ELECTRICAL PERFORMANCE & TEMPERATURE

DEPENDENCE | SNG – 685



MODULE TYPE	SNG-670 W	SNG-675 W	SNG-680 W	SNG-685 W
Testing Conditions	STC ⁽²⁾ / NMOT ⁽³⁾	STC ⁽²⁾ / NMOT ⁽³⁾	STC ⁽²⁾ / NMOT ⁽³⁾	STC ⁽²⁾ / NMOT ⁽³⁾
Maximum Power at STC (Pmax)	670 Wp	675 Wp	680 Wp	685 Wp
Maximum Power Voltage [Vmp]	42.24 V / 39.60 V	42.4 V / 39.68 V	42.57 V / 39.76 V	42.73 V / 39.84 V
Maximum Power Current [Imp]	15.87 A / 13.20 A	15.92 A / 13.28 A	15.98 A / 13.36 A	16.04 A / 13.44 A
Open-Circuit Voltage [Voc]	48.75 V / 45.15 V	48.82 V / 45.24 V	48.88 V / 45.33 V	48.95 V / 45.42 V
Short-Circuit Current [Isc]	17.17 A / 14.29 A	17.25 A / 14.26A	17.33 A / 14.33 A	17.41 A / 14.40 A
Module Efficiency (%)	21.57 %	21.73 %	21.89 %	22.05 %

BIFACIAL OUTPUT- REARSIDE	SNG-670 W	SNG-675 W	SNG-680 W	SNG-685 W
Power gain 5 %	703 Wp	708 Wp	714 Wp	719 Wp
Power gain 15 %	770 Wp	776 Wp	782 Wp	787 Wp
Power gain 25 %	837 Wp	843 Wp	850 Wp	856 Wp

ALL MODULES DATA	
Operating Temperature (DC)	- 40 °C to + 85 °C
Maximum System Voltage	1500 VDC
Maximum Series Fuse Rating	35 A
Power Output Tolerance ⁽¹⁾	± 3 %
Temperature Coefficients of Pmax	- 0.24 % / °C
Temperature Coefficients of Voc	- 0.22 % / °C
Temperature Coefficients of Isc	+0.042 % / °C
Nominal Operating Cell Temperature (NOCT)	41 ± 2 °C



⁽¹⁾ Measurement Tolerances : Pmax (± 3 %), Isc & Voc (± 3 %)

⁽²⁾STC (Standard Testing Condition) : Irradiance : 1000 W/m², Cell Temperature: 25 °C, AM : 1.5

⁽³⁾NMOT (Nominal Operating Module Temperature) : Irradiance : 800 W/m², NMOT Ambient Temperature: 20/25 °C, AM : 1.5, Wind Speed : 1 m/s

*or customized

Not applicable for installations in transition 5.0/ feed in tariff for italian market

Specifications included in this datasheet are subject to change without notice. SUNGI SOLAR reserves all the rights to final integrations.

TECHNICAL SPECIFICATION	
Cell type	HJT Technology (210x105 mm)
Number of cells	132 (2×66)
Dimensions	2384x1303x35* mm
Weight	37.5 kg
Front Glass	2.0 mm AR tempered glass
Back Glass	2.0 mm tempered glass
Frame	Anodized Aluminum Alloy Silver Frame*
Junction Box	IP68 Rated
Output Cables	TUV 1x4.0 mm² / UL 12 AWG*
Output Cables Length	1400 mm*
Connectors	MC 4

PACKAGING CONFIGURATION



40' Container

- 31 pcs per pallet
- 18 pallets
- 558 total pcs