

Product Information Sheet SNG 690-710 Watt HJT Technology

BIFACIAL
690-710 Watt

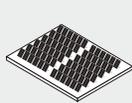
Highest quality with our cells
18 MBB HJT Technology

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

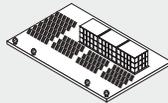
Quality and Safety

- ① **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



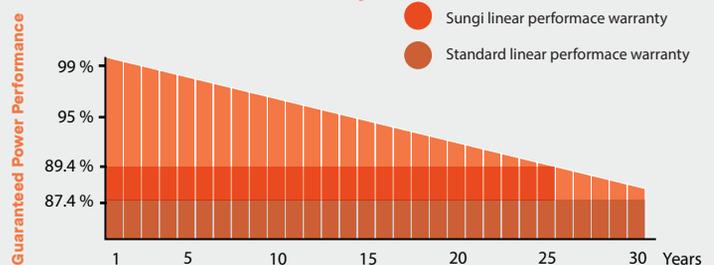
Off-grid systems



Complete System and Product Certifications

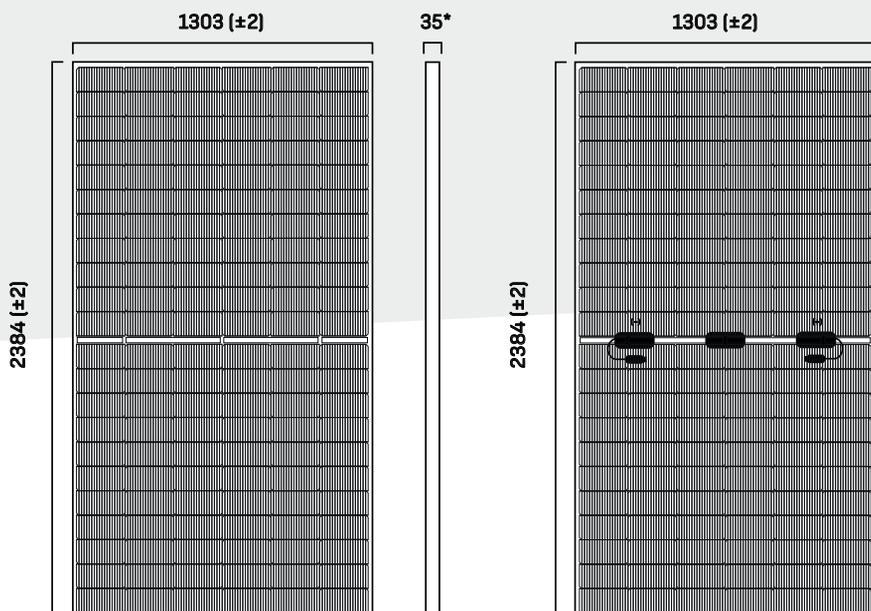
IEC 61215 (2021), IEC 61730 (2023), IEC 61701, IEC 62716
 ISO 9001:2015: Quality Management System
 ISO 14001:2015: Environmental Management System
 ISO 45001:2018: Occupational Health and Safety Management System
 IEC 62941:2019: Quality System for PV Module Manufacturing

Premium Performance Warranty



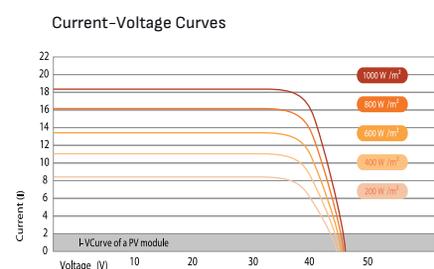
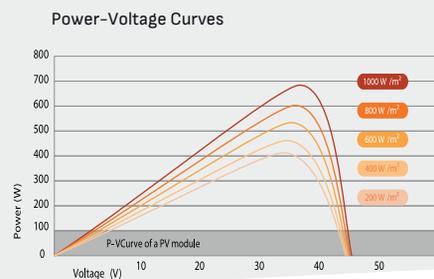
22.21% **30 Y Warranty**
Max Module Efficiency *on materials & workmanship*

ENGINEERING DRAWINGS (mm)



ELECTRICAL PERFORMANCE & TEMPERATURE

DEPENDENCE | SNG - 710



MODULE TYPE	SNG-690 W	SNG-695 W	SNG-700 W	SNG-705 W	SNG-710 W
Testing Conditions	STC ⁽²⁾ / NMOT ⁽³⁾				
Maximum Power at STC (Pmax)	690 Wp	695 Wp	700 Wp	705 Wp	710 Wp
Maximum Power Voltage [Vmp]	42.89 V / 43.92 V	43.05 V / 40 V	43.21 V / 40.07 V	43.4 V / 40.14 V	43.59 V / 40.21 V
Maximum Power Current [Imp]	16.09 A / 13.52 A	16.15 A / 13.6 A	16.2 A / 13.68 A	16.27 A / 13.76 A	16.3 A / 13.83 A
Open-Circuit Voltage [Voc]	49.03 V / 45.51 V	49.1 V / 45.6 V	49.17 V / 45.69 V	49.24 V / 45.78 V	49.31 V / 45.86 V
Short-Circuit Current [Isc]	17.49 A / 14.47 A	17.58 A / 14.54 A	17.67 A / 14.61 A	17.75 A / 14.68 A	17.83 A / 14.76 A
Module Efficiency (%)	22.21 %	22.37 %	22.53 %	22.70 %	22.86 %

BIFACIAL OUTPUT- REAR SIDE	SNG-690 W	SNG-695 W	SNG-700 W	SNG-705 W	SNG-710 W
Power gain 5 %	725 Wp	730 Wp	735 Wp	740 Wp	746 Wp
Power gain 15 %	794 Wp	799 Wp	805 Wp	811 Wp	817 Wp
Power gain 25 %	863 Wp	869 Wp	875 Wp	881 Wp	888 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

TECHNICAL SPECIFICATION

Cell type	HJT Technology (210x105 mm)
Number of cells	132 (2x66)
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 mm ² / UL 12 AWG*
Output Cables Length	1400 mm*
Connectors	MC 4

PACKAGING CONFIGURATION



40' Container

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



⁽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 50/ 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.