SUNGi SOLAR

SNG ELITE

Product Information Sheet SNG 615-630 Watt HJT

BIFACIAL

615-630 Watt

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

Highest quality with our cells
0 BB HJT

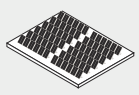
Quality and Safety

Industry-leading power output warranty
25 years / 89.4 %
30 years / 87.4 %

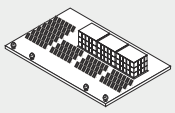
30-year warranty on materials & workmanship

Fire Test: According to EN13501-1 and

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

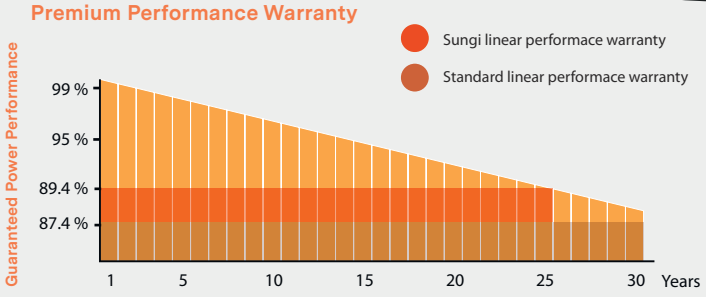


Solar power plants



Off-grid systems

Premium Performance Warranty



Complete System and Product Certifications

IEC 61215, IEC 61730, 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

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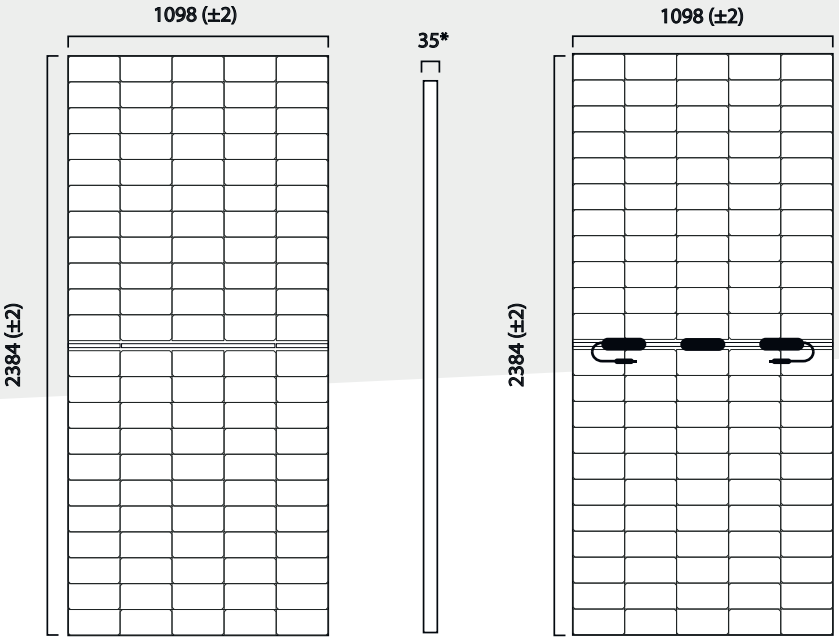
24.06 %
Max Module Efficiency

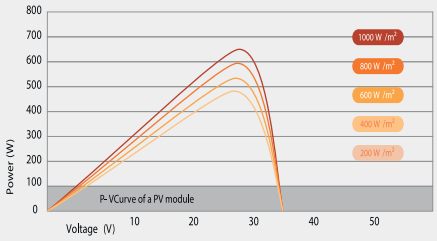
30 Y Warranty
on materials & workmanship

ENGINEERING DRAWINGS (mm)

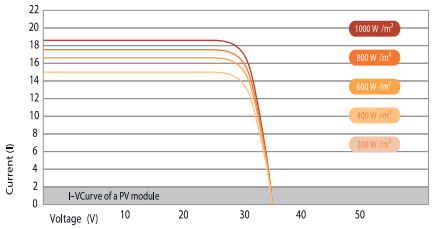


ELECTRICAL PERFORMANCE & TEMPERATURE DEPENDENCE | SNG630-C110DG

Power-Voltage Curves



Current-Voltage Curves



MODULE TYPE	SNG615-C110DG	SNG620-C110DG	SNG625-C110DG	SNG630-C110DG
Testing Conditions	STC[2]/ NMOT[3]	STC[2]/ NMOT[3]	STC[2]/ NMOT[3]	STC[2]/ NMOT[3]
Maximum Power at STC (Pmax)[1]	615 Wp	620 Wp	625 Wp	630 Wp
Maximum Power Voltage (Vmp)	35.47 V / 30.62 V	35.54 V / 30.79 V	35.61 V / 30.96 V	35.68 V / 31.09 V
Maximum Power Current (Imp)	17.33 A / 13.90 A	17.45 A / 13.93 A	17.55 A / 13.95 A	17.65 A / 13.97 A
Open-Circuit Voltage (Voc)[1]	42.89 V / 38.18 V	43.08 V / 38.31 V	43.27 V / 38.43 V	43.46 V / 38.55 V
Short-Circuit Current (Isc)[1]	17.85 A / 14.38 A	17.91 A / 14.42 A	17.97 A / 14.45 A	18.03 A / 14.49 A
Module Efficiency (%)	23.49 %	23.68 %	23.87 %	24.06 %

SPECIFICATIONS (BNPI)	SNG615-C110DG	SNG620-C110DG	SNG625-C110DG	SNG630-C110DG
Maximum Power (Pmax)[1]	677 Wp	682 Wp	688 Wp	693 Wp
Maximum Power Voltage (Vmp)	35.47 V	35.54 V	35.61 V	35.68 V
Maximum Power Current (Imp)	19.06 A	19.20 A	19.31 A	19.42 A
Open-Circuit Voltage (Voc)[1]	43.02 V	43.21 V	43.40 V	43.59 V
Short-Circuit Current (Isc)[1]	19.64 A	19.20 A	19.31 A	19.83 A
Module Efficiency (%)	25.86 %	26.05 %	26.28 %	26.47 %

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	+0.045 % / °C
Nominal Operating Cell Temperature (NOCT)	42 ± 2 °C
Maximum Static Test Load	5400 Pa (Front) / 2400 Pa (Rear)

Testing STC²/NMOT³ | Irradiance 1000 W/m 800 W/m | Module Temperature 25 °C | AM 1.5 Wind Speed | Fire Rating Class 1

[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 reseves all the rights to final integrations.

TECHNICAL SPECIFICATION

Cell type	HJT (210x105 mm)
Number of cells	110 (2x55)
Dimensions	2384x1098x35* mm
Weight	32 kg
Front Glass	2.0 mm AR Tempered Glass
Back Glass	2.0 mm Tempered Glass
Frame	Anodized Aluminum Alloy Black Frame*
Junction Box	IP68 Rated
Output Cables	TUV 1x4.0 mm² / UL 12 AWG*
Output Cables Length	1200 mm*
Connectors	MC 4 or Compatible

PACKAGING CONFIGURATION

40' Container

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