SUNGi SOLAR

SNG AGRIVOLTAIC

Product Information Sheet SNG 380-400 Watt TOPCon Transmittance Technology

BIFACIAL TRANSMITTANCE

380–400 Watt

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

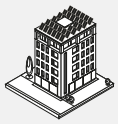
Highest quality with our cells
16 MBB TOPCon Technology

Quality and Safety

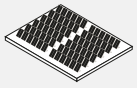
- Industry-leading power output warranty
  25 years / 89.4 %
  30 years / 87.4 %
- 30-year warranty on materials & workmanship
- Transmittance 45 %
- Fire Test : Class 1

- **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.

On-grid residential roof-tops

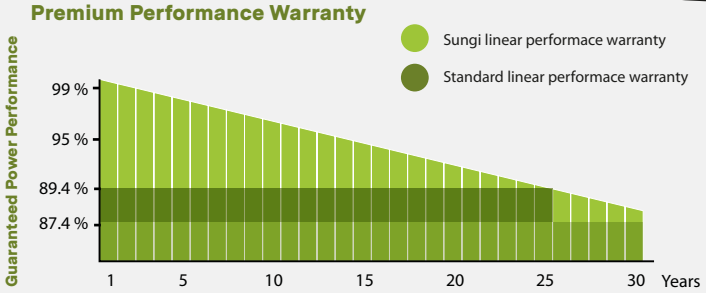


On-grid commercial Industrial roof-tops



Solar power plants

Premium Performance Warranty



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

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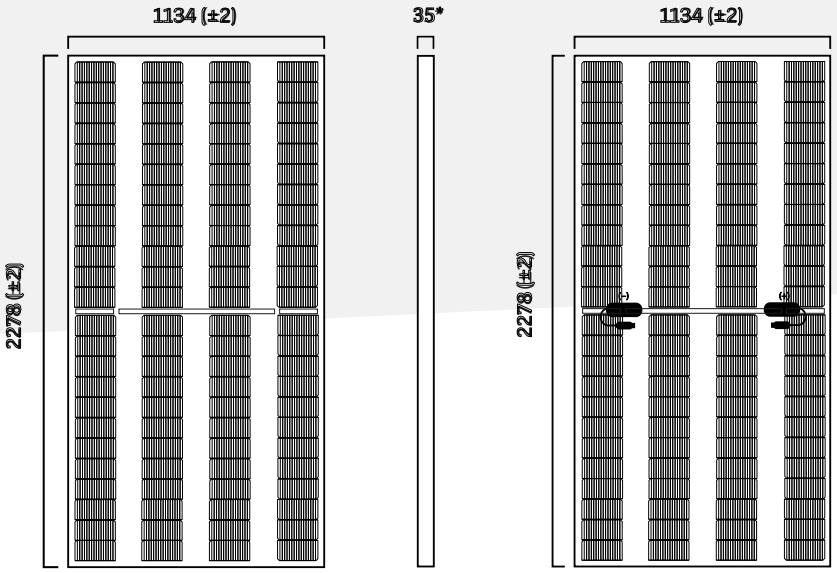
15.48 %
Max Module Efficiency

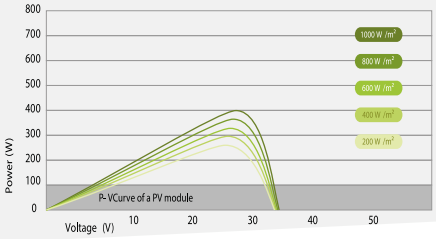
30 Y Warranty
on materials & workmanship

ENGINEERING DRAWINGS (mm)

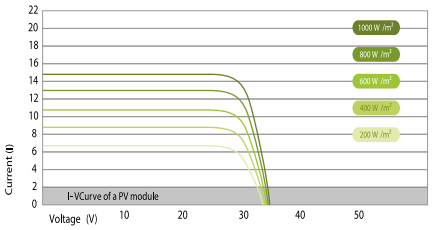


ELECTRICAL PERFORMANCE & TEMPERATURE DEPENDENCE |SNG - 400

Power-Voltage Curves



Current-Voltage Curves



MODULE TYPE	SNG-380 W	SNG-385 W	SNG-390 W	SNG-395 W	SNG-400 W
Testing Conditions	STC [2]/ NMOT[3]	STC [2]/ NMOT[3]	STC [2]/ NMOT[3]	STC [2]/ NMOT[3]	STC [2]/ NMOT[3]
Maximum Power at STC (Pmax)	380 Wp	385 Wp	390 Wp	395 Wp	400 Wp
Maximum Power Voltage (Vmp)	28.27 V / 26.58 V	28.50 V / 26.79 V	28.74 V / 27.01 V	28.97 V / 27.22 V	29.20 V / 27.44 V
Maximum Power Current (Imp)	13.44 A / 10.83 A	13.51 A / 10.89 A	13.57 A / 10.96 A	13.64 A / 11.02 A	13.70 A / 11.07 A
Open-Circuit Voltage (Voc)	34.07 V / 32.43 V	34.22 V / 32.58 V	34.35 V / 32.70 V	34.62 V / 32.95 V	34.80 V / 33.20 V
Short-Circuit Current (Isc)	14.21 A / 11.44 A	14.27 A / 11.49 A	14.33 A / 11.54 A	14.40 A / 11.50 A	14.47 A / 11.64 A
Module Efficiency (%)	14.71%	14.90 %	15.09 %	15.29 %	15.48 %

BIFACIAL OUTPUT- REARSIDE	SNG-380 W	SNG-385 W	SNG-390 W	SNG-395 W	SNG-400 W
Power gain 5 %	399 Wp	404 Wp	409 Wp	414 Wp	420 Wp
Power gain 15 %	437 Wp	442 Wp	448 Wp	454 Wp	460 Wp
Power gain 25 %	475 Wp	481 Wp	487 Wp	493 Wp	500 Wp

ALL MODULES DATA

Operating Temperature (DC)	- 40 °C to + 85 °C
Maximum System Voltage	1500 VDC
Maximum Series Fuse Rating	30 A
Power Output Tolerance [1]	± 3 %
Temperature Coefficients of Pmax	- 0.35 % / °C
Temperature Coefficients of Voc	- 0.28 % / °C
Temperature Coefficients of Isc	+0.040 % / °C
Nominal Operating Cell Temperature (NOCT)	45 ± 2 °C

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	TOPCon Technology (182x91 mm)
Number of cells	96 (2×48)
Dimensions	2278x1134x35* mm
Weight	35 kg
Front Glass	2.0 mm AR tempered glass
Black 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 or compatible

PACKAGING CONFIGURATION

40' Container
- 31 pcs per pallet
- 20 pallets
- 620 total pcs

20' Container
- 31 pcs per pallet
- 10 pallets
- 310 total pcs