

Product Information Sheet SNG 380-400 Watt TOPCon Transmittance Technology

BIFACIAL TRANSMITTANCE 380-400 Watt

Highest quality with our cells
16 MBB TOPCon 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**
- ✓ **Transmittance 45 %**
- ✓ **Fire Test : Class 1**

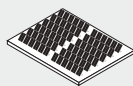
- ✓ **Anti-PID Guarantee**
Minimizes the risk of degradation caused by PID phenomena by optimizing cell production technology and material control.
- ✓ **Multi-busbar Technology**
Higher performance, higher reliability, and greater (electrical) resilience.



On-grid residential roof-tops



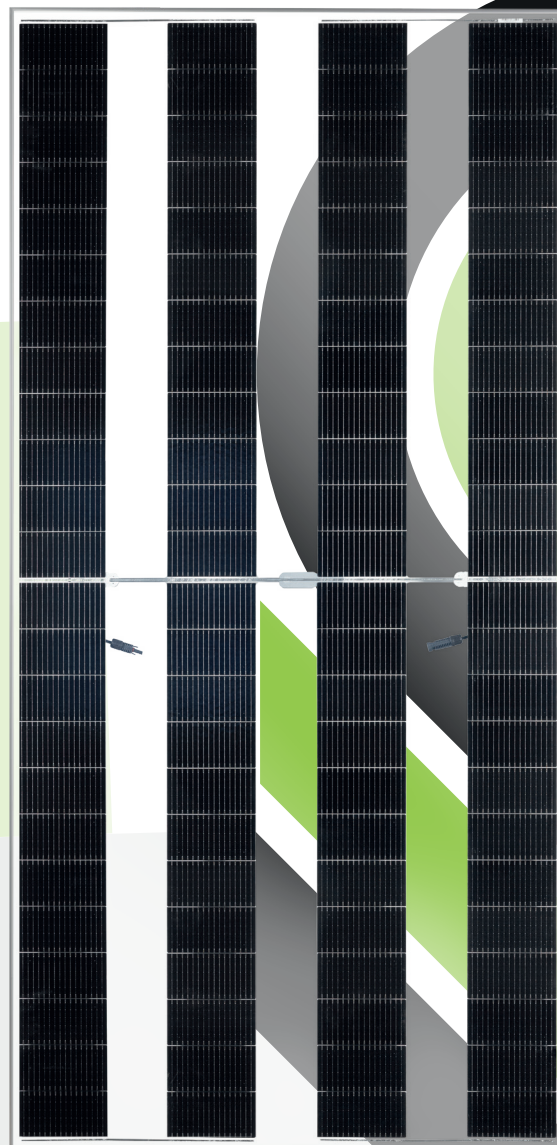
On-grid commercial Industrial roof-tops



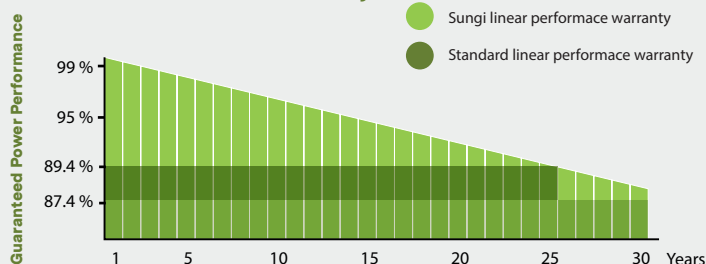
Solar power plants

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



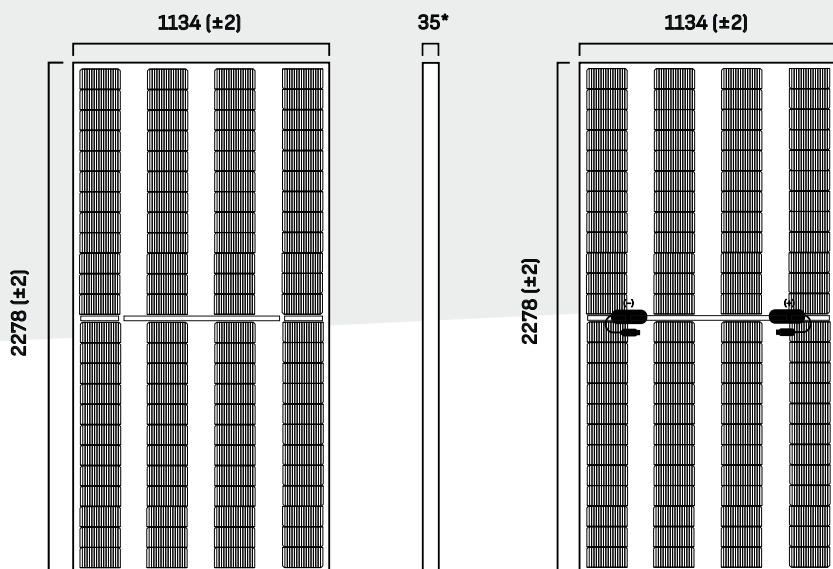
15.48 %

Max Module Efficiency

30 Y Warranty

on materials & workmanship

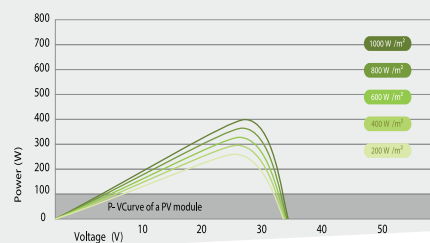
ENGINEERING DRAWINGS (mm)



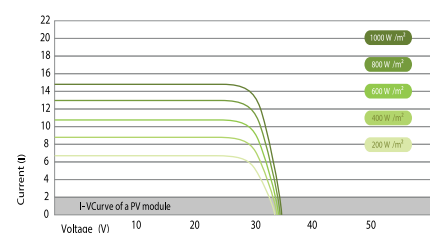
ELECTRICAL PERFORMANCE & TEMPERATURE

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- REAR SIDE	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 10 %	437 Wp	442 Wp	448 Wp	454 Wp	460 Wp
Power gain 15 %	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

TECHNICAL SPECIFICATION

Cell type	TOPCon Technology (182x91 mm)
Number of cells	96 (2x48)
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 mm ² / UL 12 AWG*
Output Cables Length	1400 mm*
Connectors	MC 4

PACKAGING CONFIGURATION



⁽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.

40' Container

- 31 pcs per pallet
- 20 pallets
- 620 total pcs



20' Container

- 31 pcs per pallet
- 10 pallets
- 310 total pcs

