

Product Information Sheet SNG 740-760 Watt TOPCon Technology

BIFACIAL 740-760 Watt

Highest quality with our cells
18 MBB TOPCon Technology

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

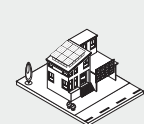
Quality and Safety

- ① **Industry-leading power output warranty**
25 years / 89.4 %
30 years / 87.4 %

- ✓ **30-year warranty on materials & workmanship**

- ✓ **Fire Test: Class 1**

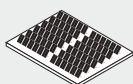
- ✓ **Anti-PID Guarantee**
Minimizes the risk of degradation caused by PID phenomena by optimizing cell production technology and material control.
- ✓ **Multi-busbar Technology**
Higher performance, higher reliability, and greater (electrical) resilience.



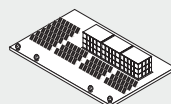
On-grid residential roof-tops



On-grid commercial Industrial roof-tops



Solar power plants

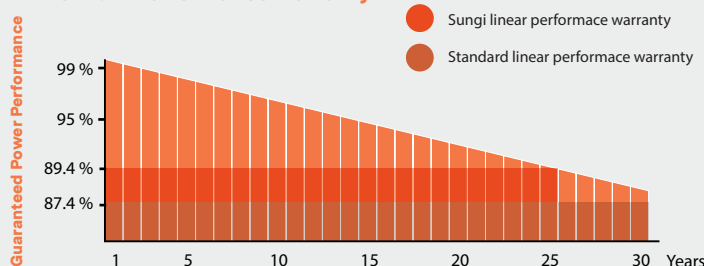


Off-grid systems

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

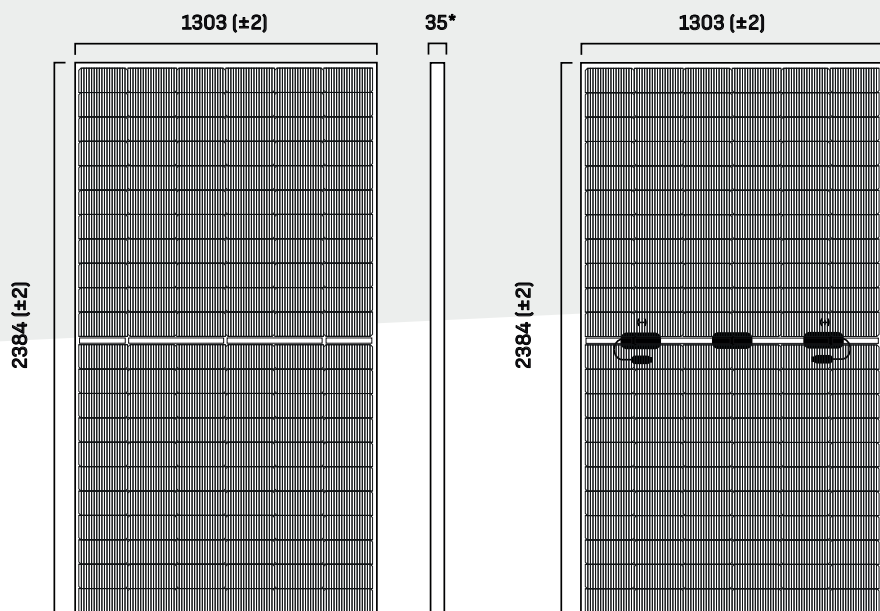
Premium Performance Warranty



24.46%
Max Module Efficiency

30 Y Warranty
on materials & workmanship

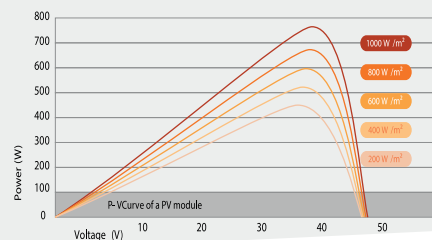
ENGINEERING DRAWINGS (mm)



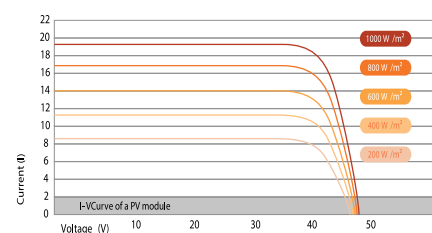
ELECTRICAL PERFORMANCE & TEMPERATURE

DEPENDENCE | SNG - 760

Power-Voltage Curves



Current-Voltage Curves



MODULE TYPE	SNG-740 W	SNG-745 W	SNG-750 W	SNG-755 W	SNG-760 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)	740 Wp	745 Wp	750 Wp	755 Wp	760 Wp
Maximum Power Voltage (Vmp)	41.60 V / 39.50 V	41.80 V / 39.70 V	42.00 V / 39.90 V	42.20 V / 40.10 V	42.40 V / 40.30 V
Maximum Power Current (Imp)	17.79 A / 14.24 A	17.82 A / 14.27 A	17.86 A / 14.30 A	17.89 A / 14.33 A	17.92 A / 14.36 A
Open-Circuit Voltage (Voc)	49.50 V / 47.00 V	49.70 V / 47.20 V	49.90 V / 47.40 V	50.10 V / 47.60 V	50.30 V / 47.80 V
Short-Circuit Current (Isc)	18.89 A / 15.18 A	18.94 A / 15.21 A	18.99 A / 15.24 A	19.04 A / 15.27 A	19.09 A / 15.30 A
Module Efficiency (%)	23.82 %	23.98 %	24.14 %	24.30 %	24.46 %

BIFACIAL OUTPUT- REAR SIDE	SNG-740 W	SNG-745 W	SNG-750 W	SNG-755 W	SNG-760 W
Power gain 5 %	777 Wp	782 Wp	788 Wp	793 Wp	798 Wp
Power gain 10 %	814 Wp	820 Wp	825 Wp	831 Wp	836 Wp
Power gain 15 %	851 Wp	857 Wp	863 Wp	868 Wp	874 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⁾	± 5 %
Temperature Coefficients of Pmax	- 0.29 % / °C
Temperature Coefficients of Voc	- 0.25 % / °C
Temperature Coefficients of Isc	+0.045 % / °C
Nominal Operating Cell Temperature (NOCT)	45 ± 2 °C

TECHNICAL SPECIFICATION

Cell type	TOPCon Technology (210x105 mm)
Number of cells	132 (6×22)
Dimensions	2384x1303x35* mm
Weight	38.7 kg
Front Glass	2.0 mm Anti-reflective
Back Glass	2.0 mm tempered glass
Frame	Anodized Aluminum Alloy Silver Frame*
Junction Box	IP68 Rated, 3 diodes
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

Testing Conditions
STC⁽²⁾/NMOT⁽³⁾

Irradiance
1000 W/m²
800 W/m²

Module Temperature
25 °C
20 °C

AM
1.5
Wind Speed 1m/s

Fire Rating
Class 1

⁽¹⁾ Measurement Tolerances : Pmax (± 5 %), Isc & Voc (± 5 %)

⁽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.