

Product Information Sheet SNG 540-555 Watt TOPCon Technology

HC MONO 540-555 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**

- ✓ **Fire Test: Class 1**

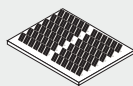
- ✓ **Anti-PID Guarantee**
Minimizes the risk of degradation caused by PID phenomena by optimizing cell production technology and material control.
- ✓ **Multi-busbar Technology**
Higher performance, higher reliability, and greater (electrical) resilience.



On-grid residential roof-tops



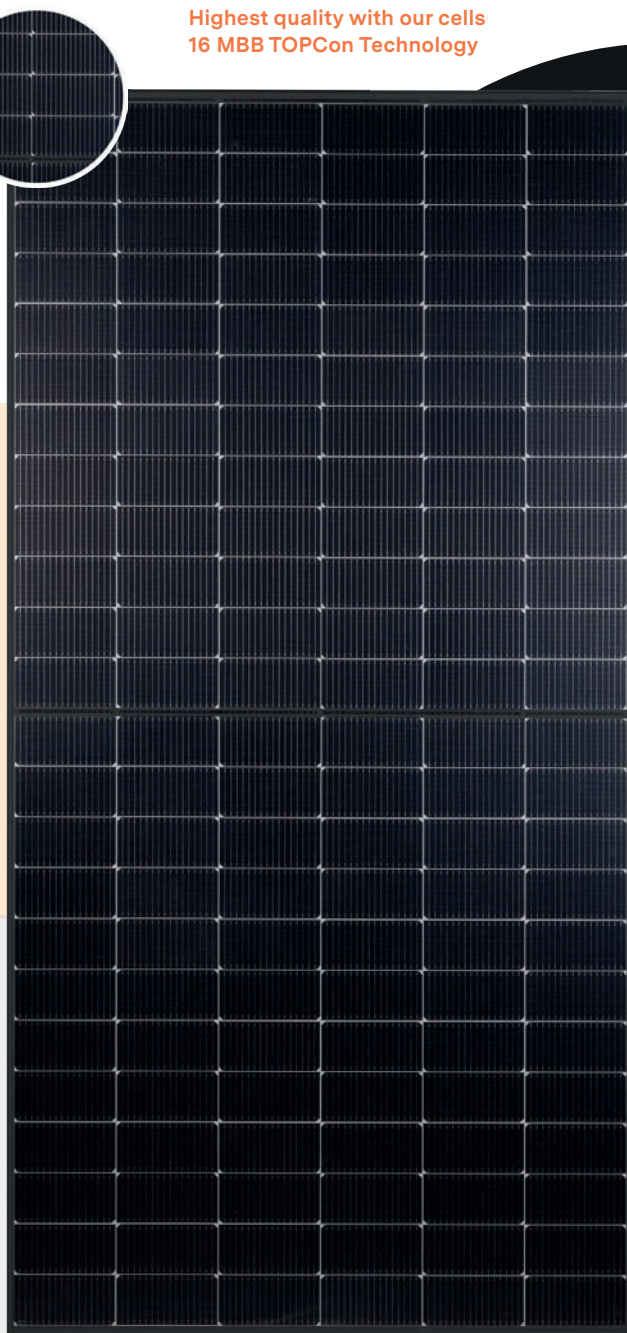
On-grid commercial Industrial roof-tops



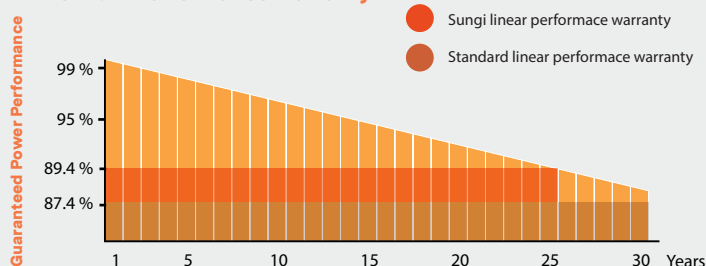
Solar power plants

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



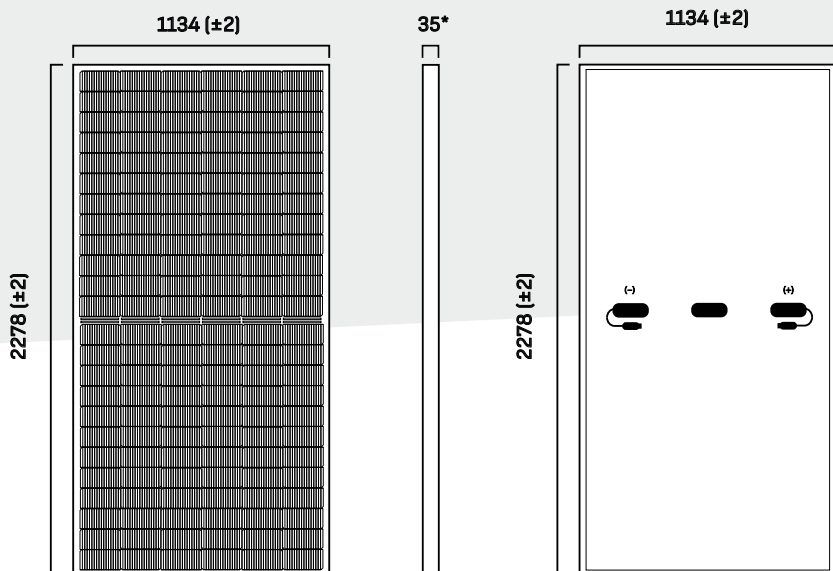
Premium Performance Warranty



21.48 %
Max Module Efficiency

30 Y Warranty
on materials & workmanship

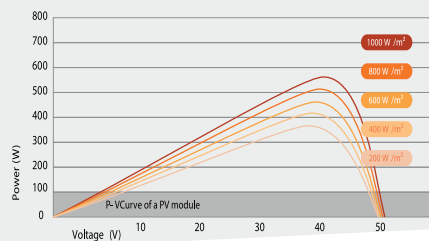
ENGINEERING DRAWINGS (mm)



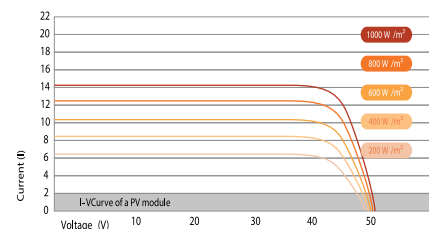
ELECTRICAL PERFORMANCE & TEMPERATURE

DEPENDENCE | SNG - 555

Power-Voltage Curves



Current-Voltage Curves



MODULE TYPE	SNG-540 W	SNG-545 W	SNG-550 W	SNG-555 W
Testing Conditions	STC ^[2] / NMOT ^[3]	STC ^[2] / NMOT ^[3]	STC ^[2] / NMOT ^[3]	STC ^[2] / NMOT ^[3]
Maximum Power at STC (Pmax)	540 Wp	545 Wp	550 Wp	555 Wp
Maximum Power Voltage (Vmp)	41.20 V / 39.44 V	41.40 V / 39.67 V	41.60 V / 39.90 V	41.80 V / 40.14 V
Maximum Power Current (Imp)	13.11 A / 10.37 A	13.17 A / 10.41 A	13.23 A / 10.49 A	13.30 A / 10.54 A
Open-Circuit Voltage (Voc)	49.40 V / 47.63 V	49.60 V / 47.87 V	49.80 V / 48.10 V	50.00 V / 48.24 V
Short-Circuit Current (Isc)	13.87 A / 10.99 A	13.93 A / 11.03 A	13.99 A / 11.07 A	14.05 A / 11.10 A
Module Efficiency (%)	20.90 %	21.09 %	21.29 %	21.48 %

ALL MODULES DATA

Operating Temperature (DC)	- 40 °C to + 85 °C
Maximum System Voltage	1500 VDC
Maximum Series Fuse Rating	25 A
Power Output Tolerance ^[1]	± 3 %
Temperature Coefficients of Pmax	- 0.35 % / °C
Temperature Coefficients of Voc	- 0.28 % / °C
Temperature Coefficients of Isc	+0.048 % / °C
Nominal Operating Cell Temperature (NOCT)	45 ± 2 °C

TECHNICAL SPECIFICATION

Cell type	TOPCon Technology (182x91 mm)
Number of cells	144 (2x72)
Dimensions	2278x1134x35* mm
Weight	28.5 kg
Front Glass	3.2 mm anti-reflection
Frame	Anodized Aluminum Alloy Black Frame*
Junction Box	IP68 Rated
Output Cables	TUV 1x4.0 mm² / UL 12 AWG*
Output Cables Length	1400 mm*
Connectors	MC 4

PACKAGING CONFIGURATION



40' Container

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



20' Container

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

Testing Conditions
STC²/NMOT³

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 (± 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

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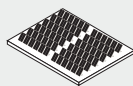
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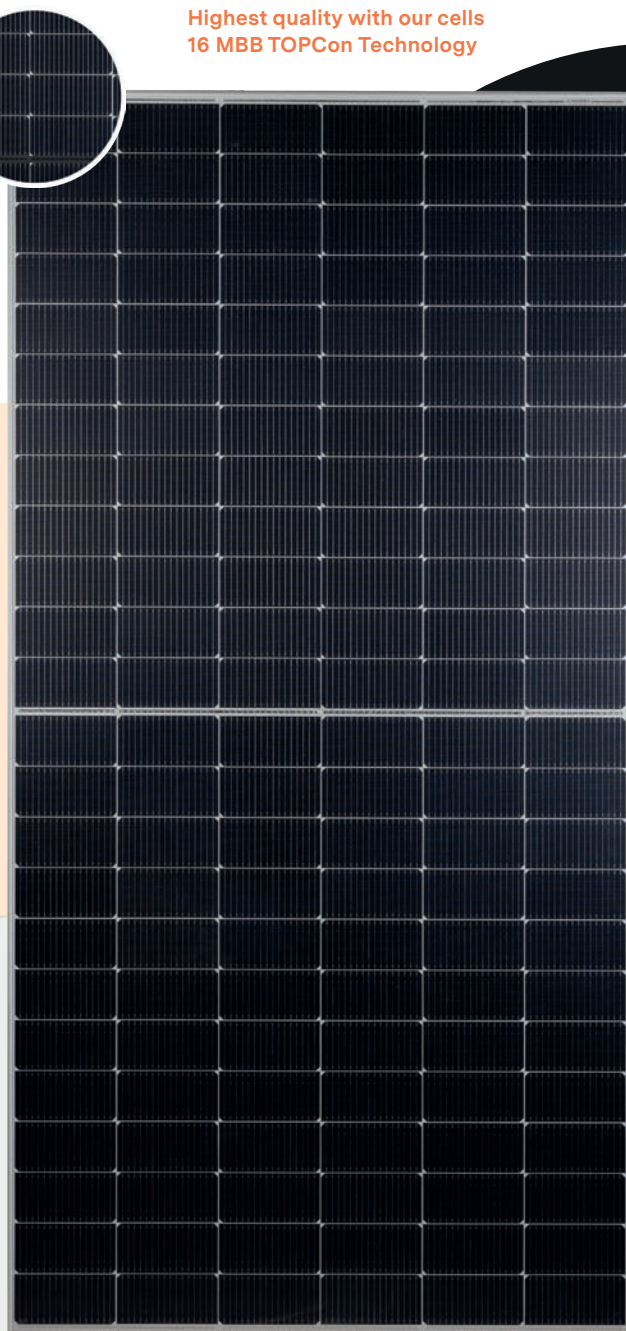
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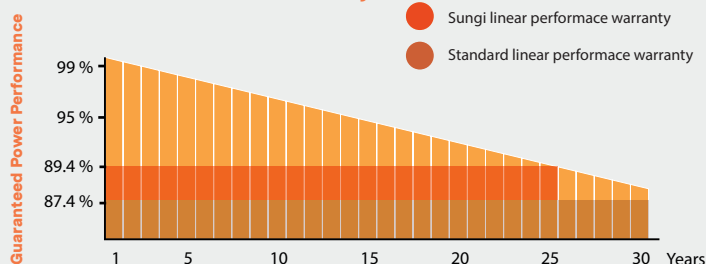
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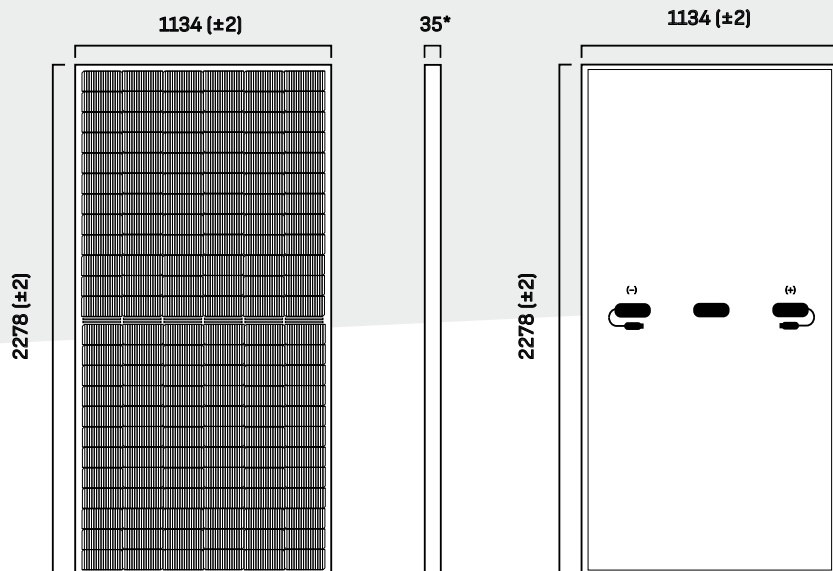
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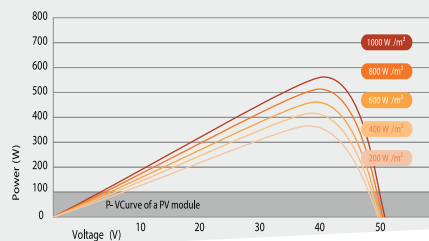
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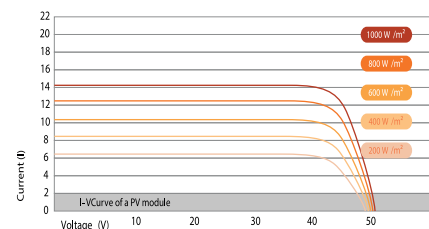
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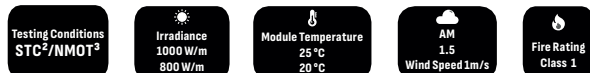
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