SUNGi SOLAR

SNGECOLIVING

Product Information Sheet SNG 515-530 Watt TOPCon Technology

BIFACIAL

515-530 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

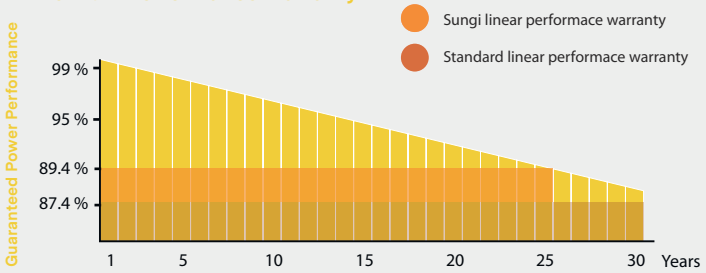
- Industry-leading power output warranty
  25 years / 89.4 %
  30 years / 87.4 %
- 30-year warranty on materials & workmanship
- Fire Test : According to EN13501-1 and 13501-5

- **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

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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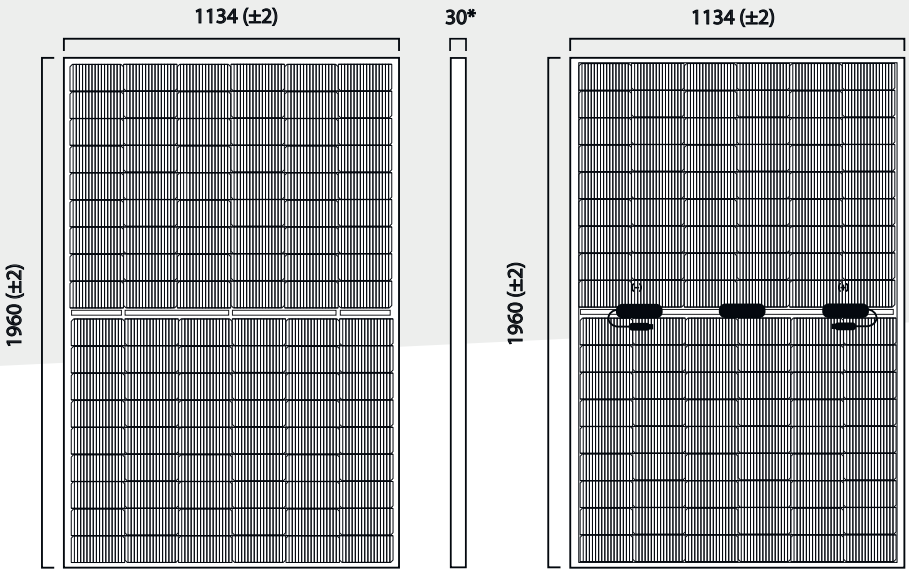
23.85 %
Max Module Efficiency

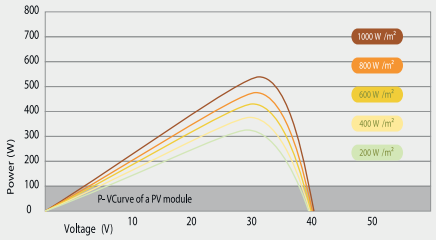
30 Y Warranty
on materials & workmanship

ENGINEERING DRAWINGS (mm)

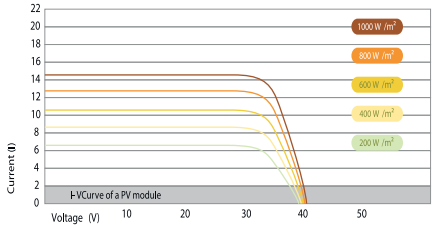


ELECTRICAL PERFORMANCE & TEMPERATURE DEPENDENCE | SNG530-B108DG

Power-Voltage Curves



Current-Voltage Curves



MODULE TYPE	SNG515-B108DG	SNG520-B108DG	SNG525-B108-	SNG530-B108DG
Testing Conditions	STC[2]/ NMOT[3]	STC[2]/ NMOT[3]	STC[2]/ NMOT[3]	STC[2]/ NMOT[3]
Maximum Power at STC (Pmax)[1]	515 Wp	520 Wp	525 Wp	530 Wp
Maximum Power Voltage (Vmp)	33.65 V / 32.60 V	33.85 V / 32.77 V	34.05 V / 32.95 V	34.25 V / 33.11 V
Maximum Power Current (Imp)	15.51 A / 11.83 A	15.36 A / 11.87 A	15.42 A / 11.93 A	15.47 A / 11.98 A
Open-Circuit Voltage (Voc)[1]	40.26 V / 37.94 V	40.46 V / 38.13 V	40.66 V / 38.34 V	40.86 V / 38.52 V
Short-Circuit Current (Isc)[1]	15.90 A / 12.89 A	15.98 A / 12.94 A	16.06 A / 12.99 A	16.14 A / 13.05 A
Module Efficiency (%)	23.17 %	23.40 %	23.62 %	23.85 %

SPECIFICATIONS (BNPI)	SNG515-B108DG	SNG520-B108DG	SNG525-B108DG	SNG530-B108DG
Maximum Power (Pmax)[1]	567 Wp	572 Wp	578 Wp	583 Wp
Maximum Power Voltage (Vmp)	33.65 V	33.85 V	34.05 V	34.25 V
Maximum Power Current (Imp)	16.84 A	16.90 A	16.96 A	17.02 A
Open-Circuit Voltage (Voc)[1]	40.38 V	40.58 V	40.78 V	40.98 V
Short-Circuit Current (Isc)[1]	17.49 A	17.58 A	17.67 A	17.75 A
Module Efficiency (%)	25.51 %	25.73 %	26.00 %	26.23 %

ALL MODULES DATA

Operating Temperature	- 40 °C to + 85 °C
Maximum System Voltage	1500 VDC
Maximum Series Fuse Rating	35 A
Temperature Coefficients of Pmax	- 0.26 % / °C
Temperature Coefficients of Voc	- 0.23 % / °C
Temperature Coefficients of Isc	+0.045 % / °C
Nominal Operating Cell Temperature (NOCT)	43 ± 2 °C
Power sorting	0 + 4.99 Wp
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

TECHNICAL SPECIFICATION

Cell type	TOPCON Technology (182.2x105 mm)
Number of cells	108 (2×54)
Dimensions	1960x1134x30* mm
Weight	27.4 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
- 36 pcs per pallet
- 26 pallets
- 936 total pcs

20' Container
- 36 pcs per pallet
- 10 pallets
- 360 total pcs

[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

Specifications included in this datasheet are subject to change without notice. SUNGI SOLAR reseves all the rights to final integrations.