

Product Information Sheet SNG108-430EHCM10

HC MONO
430 Watt

Highest quality with our cells 16 MBB

Quality and Safety

 **Industry-leading power output warranty**
30 years / 86 %

 **20-year warranty on materials & workmanship**

-  **Premium quality**
-  **100 % EL testing**
-  **Low weight**
-  **Efficiency up to 22.02 %**
-  **Power output range 430 Wp**
-  **Mechanical load up to 5400 Pa**
-  **EN IEC 61215-1,-1-1,-2
EN IEC 61730-1,-2**
-  **Positive power tolerance -0/+4.9 W**

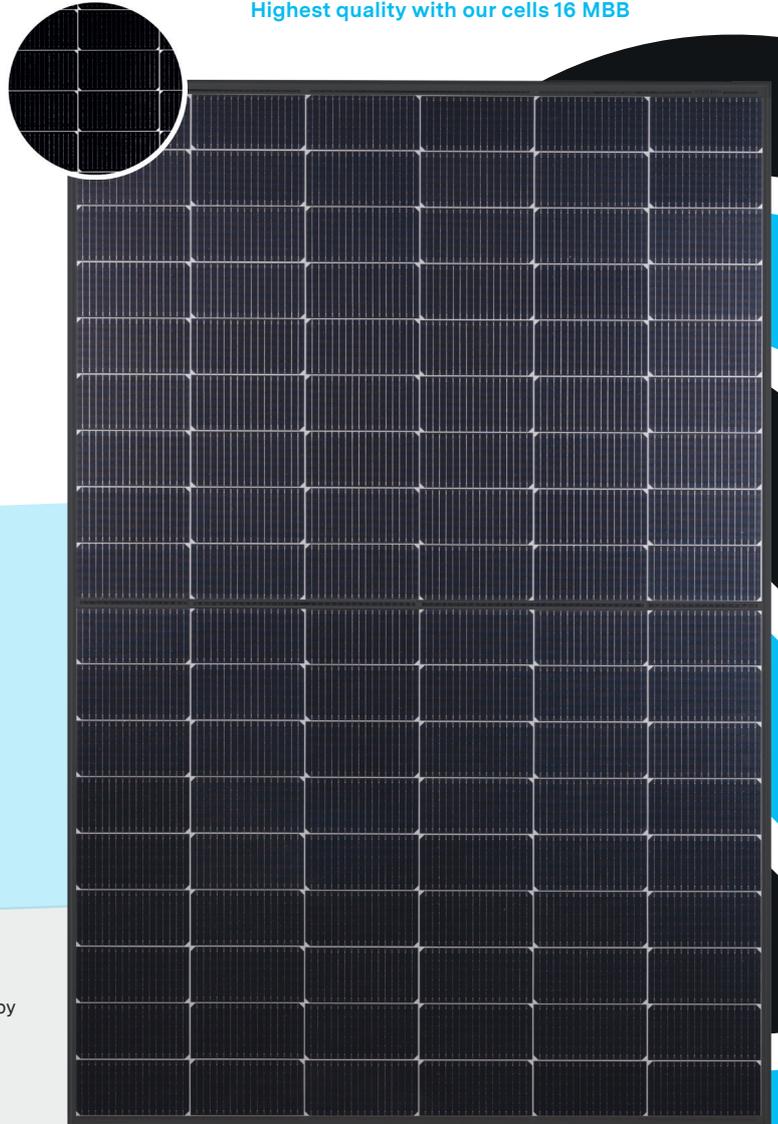
-  **Anti-PID Guarantee**
Minimizes the risk of degradation caused by PID phenomena by optimizing cell production technology and material control.
-  **Multi-busbar Technology**
Higher performance, higher reliability, and greater (electrical) resilience.



On-grid residential roof-tops



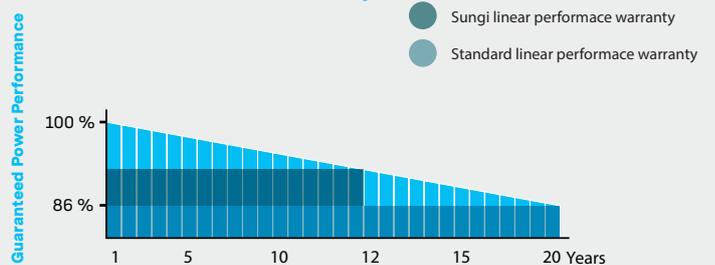
On-grid commercial Industrial roof-tops



Complete System and Product Certifications

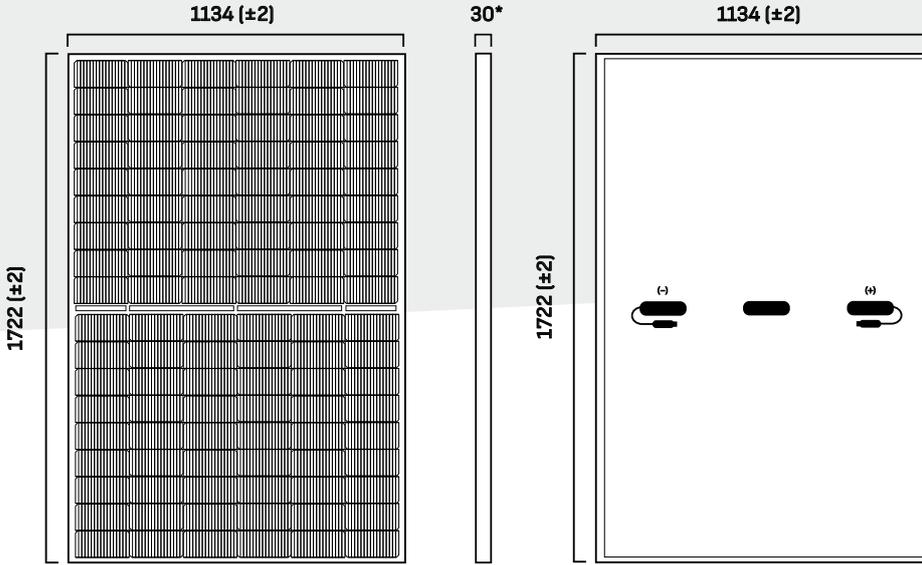
IEC 61215 (2021), IEC 61730 (2023), IEC 61701, IEC 62716
 ISO 9001:2015: Quality Management System
 ISO 14001:2015: Environmental Management System
 ISO 45001:2018: Occupational Health and Safety Management System

Premium Performance Warranty



22.02 %
Max Module Efficiency

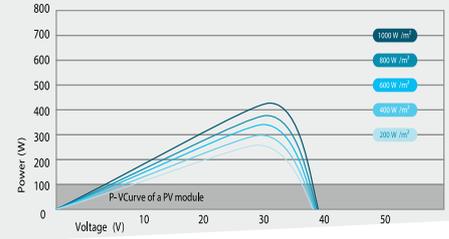
ENGINEERING DRAWINGS (mm)



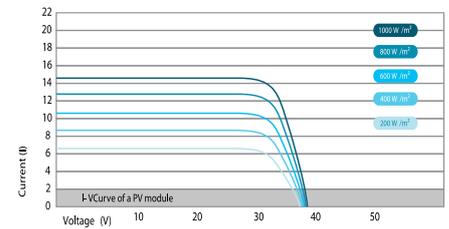
ELECTRICAL PERFORMANCE & TEMPERATURE

DEPENDENCE | SNG - 430

Power-Voltage Curves



Current-Voltage Curves



MODULE TYPE	SNG108-430EHCM10
Testing Conditions	STC ⁽²⁾ / NMOT ⁽³⁾
Maximum Power at STC (Pmax)	430 Wp
Maximum Power Voltage (Vmp)	31.73 V / 30.20 V
Maximum Power Current (Imp)	13.56 A / 10.78 A
Open-Circuit Voltage (Voc)	38.25 V / 36.30 V
Short-Circuit Current (Isc)	14.31 A / 11.56 A
Module Efficiency (%)	22.02 %

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⁾	- 0 / + 4,9 W
Temperature Coefficients of Pmax	- 0.322 % / °C
Temperature Coefficients of Voc	- 0.22% / °C
Temperature Coefficients of Isc	+0.033 % / °C
Nominal Operating Cell Temperature (NOCT)	45 ± 2 °C



TECHNICAL SPECIFICATION

Cell type	(182x91 mm)
Number of cells	108 (2x54)
Dimensions	1722x1134x30* mm
Weight	20.2 kg
Encapsulant	POE(Polyolefin Elastomer) / Ethylene vinyl acetate (EVA)
Front Glass	AR Coated, Tempered solar glass 3.2 mm
Back	Composite polyester film
Frame	Black Anodized Aluminum Frame with twin-wall profile and drainage holes
Junction Box	IP68 with 3 Bypass diodes
Cables & connectors	Solar cable 4 mm ² , length 1100 mm; MC4 compatible connectors

PACKAGING CONFIGURATION



- 40' Container**
- 36 pcs per pallet
 - 28 pallets
 - 1008 total pcs

Testing Conditions
STC²/NMOT³

Irradiance
**1000 W/m
800 W/m**

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

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