

FLEXIBLE

NENM100M-36

100Watt

MONO-FACIAL MODULE

P-Type

IEC 61215, IEC 61730

ISO 9001: 2023 Quality management systems

ISO 14001: 2023 Environmental management systems

ISO 45001: 2023 Occupational health and safety management systems



Lightweight and ultra-thin design

The component weight is as light as 5.85kg and as thin as 3mm, meeting the requirements of various low load projects.



Easy installation

Due to convenience and quickness, the costs of installation and transport are greatly reduced.



Efficient and reliable

It is improving the battery conversion efficiency. The power generation performance is excellent under low light conditions.



Customization

Products can be customized to meet the needs of different application scenarios.

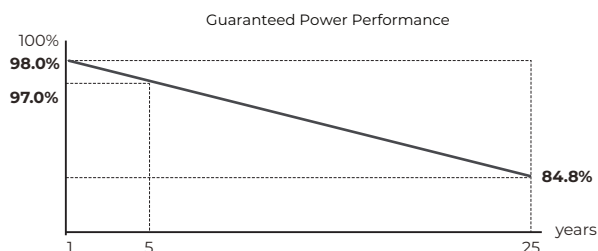


Ultra high flexibility

With ultra-thin silicon chip and advanced organic polymer materials, the component can perfectly fit various curved roofs.



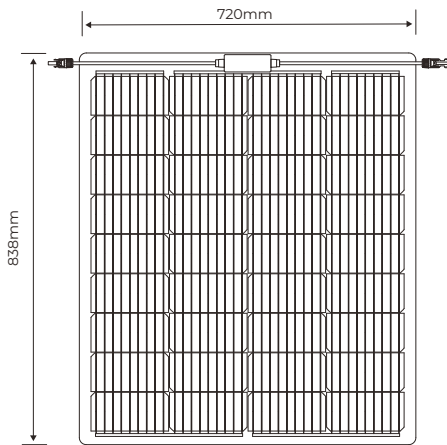
LINEAR PERFORMANCE WARRANTY



5 Year Product Warranty

25 Year Linear Power Warranty

TECHNICAL DRAWINGS



*For detailed sizes and tolerance specification, please consult detailed module drawing

Mechanical Characteristics(STC)

Module Type	STC
Maximum Power (Pmax)	100W
Maximum Power Voltage (Vmp)	20.16V
Maximum Power Current (Imp)	4.96A
Open-Circuit Voltage (Voc)	24.3V
Short-Circuit Current (Isc)	5.25A
Module Efficiency (%)	20.24
Power tolerance	0~+3%
Maximum system voltage	600DC
Maximum series fuse rating	15A

*STC(Standard Test Condition): Irradiance 1000W/㎡,Cell Temperature 25℃,Air Mass 1.5.

Specifications

Cell Type	Monocrystalline Silicon, 166*83mm
Cell Arrangement	36pcs(4*9)
Dimension	838*720*25mm
Weight	2.45kg±0.1
Frame	/
Junction Box	IP68
Cable	2.5mm²*600
Connector	MC4 compatible

TEMPERATURE COEFFICIENTS

Temperature coefficients of Pmax	-0.29 %/°C
Temperature coefficients of Voc	-0.25 %/°C
Temperature coefficients of Isc	0.045 %/°C
Operating Temperature(℃)	-10℃ ~ +70℃

Packaging Configuration

Dimension	838*720*25mm
Container	40'HQ
Quantity / pallet	70
Pallets / cabinet	28
Quantity / cabinet	1960

Diagrams of Curve

