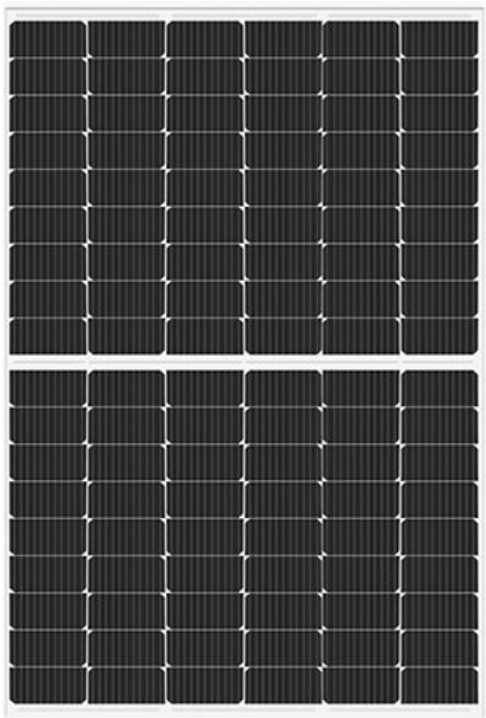


NPE M-108 HC series 395-415 Wp



EU Brand & Warranty



High Efficiency

High module conversion efficiency (up to 21.2%), through innovative manufacturing technology.



Low-Light Performance

Advanced glass and solar cell surface texturing allow for excellent performance in low-light environments



Severe Weather Resilience

Certified to withstand : wind Load (2400 Pascal) And Snow Load (5400 Pascal)



10 Busbar Solar Cell

10 busbar solar cell adopts new technology to improve the efficiency of modules , offers a better aesthetic appearance.



Superior Quality Control

Full automatic production line
ISO9001:2008 quality management system
100% three times EL and appearance inspection



Plus tolerance

0-+5W positive power tolerance guarantees the highest system efficiency and yield stability



Performance Guarantee

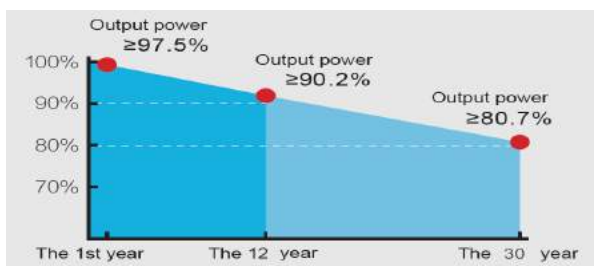
With the linear performance guarantee of 30 years and a product warranty of 12 years, NPE guarantees highest investment security and warranty claims.



Certificates

NPE solar modules are CE and TUV certified. Meet Australia CEC standard and on CEC list. Fire safety Class C

Performance Assurance



IEC 61215, IEC 61730

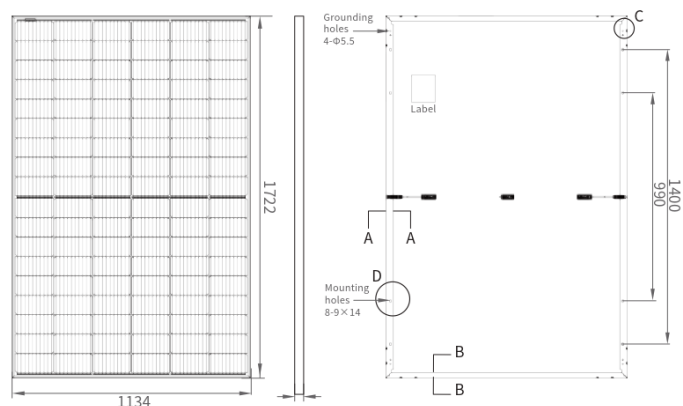
ISO 9001: 2015 Quality management systems

ISO 14001: 2015 Environmental management systems

OHSAS 18001: 2007 Occupational health and safety management systems



MECHANICAL DIAGRAMS



SPECIFICATIONS

Solar Cells	Monocrystalline
No. Of Cells	108(6x18)
Dimensions	1722x1134x35mm
Weight	20.5kgs
Junction Box	IP 68, 3 Diodes
Cables	4.0mm ²
Connectors	QC 4.10-35(1500V)

ELECTRICAL DATA (STC)

Peak Power Watts-PMAX (Wp)	395	400	405	410	415
Power Tolerance-PMAX (W)			0 ~ +5		
Maximum Power Voltage -VMPP (V)	30.72	31.04	31.35	31.62	31.92
Maximum Power Current -IMPP (A)	12.86	12.89	12.92	12.97	13.01
Open Circuit Voltage -VOC (V)	36.19	36.54	36.89	37.21	37.56
Short Circuit Current -ISC (A)	13.66	13.70	13.74	13.79	13.83
Module Efficiency (%)	20.2	20.5	20.7	21.0	21.2

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5.

ELECTRICAL DATA (NOCT)

Maximum Power-PMAX (Wp)	298	302	305	309	313
Maximum Power Voltage -VMPP (V)	29.00	29.29	29.59	29.84	30.14
Maximum Power Current -IMPP (A)	10.29	10.31	10.34	10.38	10.40
Open Circuit Voltage -VOC (V)	34.47	34.50	34.83	35.13	35.46
Short Circuit Current -ISC (A)	11.00	11.03	11.06	11.10	11.13

NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

TEMPERATURE RATINGS

NOCT(Nominal Operating Cell Temperature)	43°C (±2°C)
Temperature Coe- cient of PMAX	- 0.34%/°C
Temperature Coe- cient of VOC	- 0.25%/°C
Temperature Coe- cient of ISC	0.04%/°C

MAXIMUM RATINGS

Operational Temperature	-40~+85°C
Maximum System Voltage	1500V DC (IEC)
Max Series Fuse Rating	30A

PACKAGING

Modules per box:	31 pieces
Modules per 40' container:	858 pieces

WARRANTY

12 year Product Workmanship Warranty
 30 year Power Warranty
 0.58% Annual Power Attenuation
 2,50% first year degradation

CHARACTERISTICS

