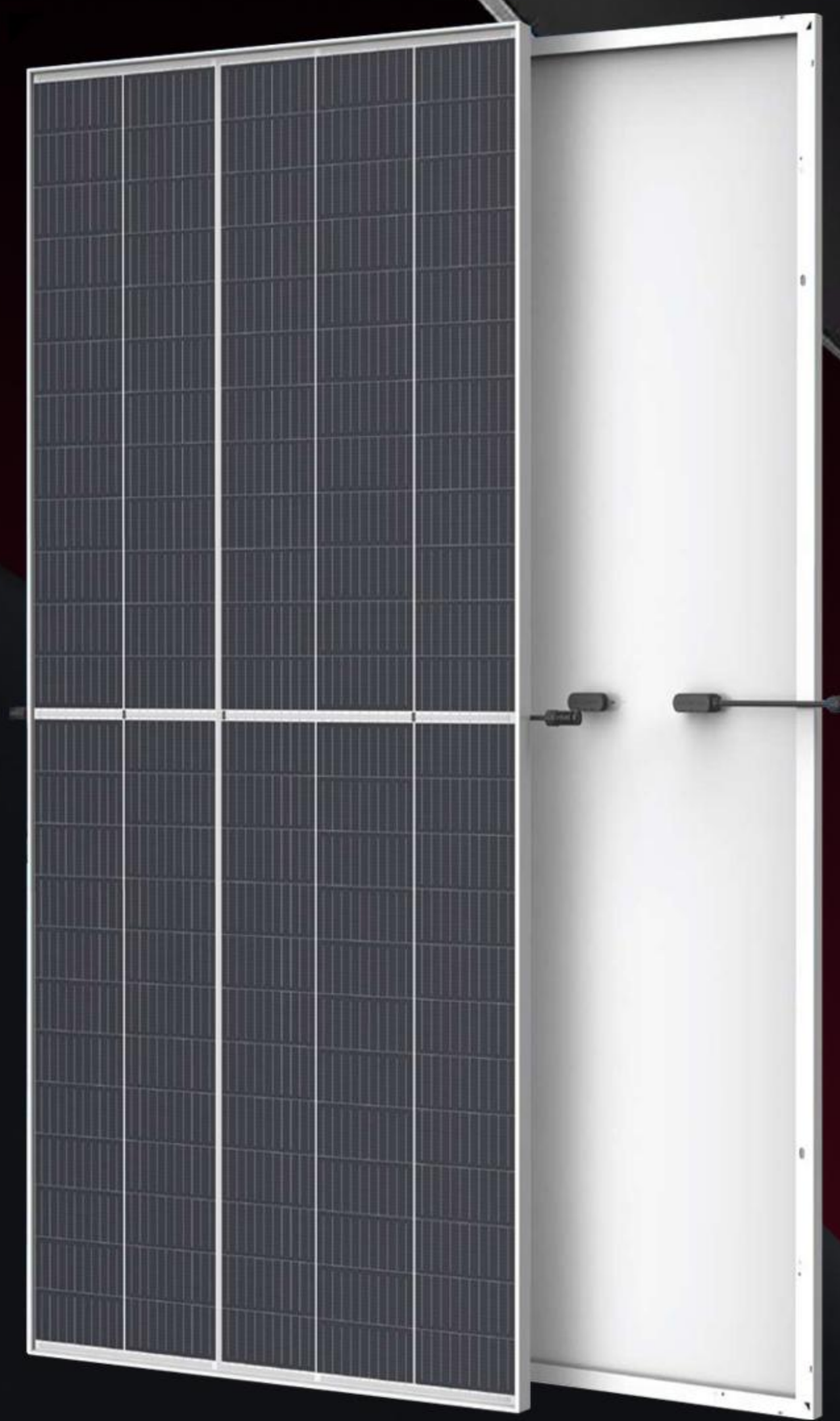


NV-60MH SERIES 210 MM 120 CELLS

400-420w

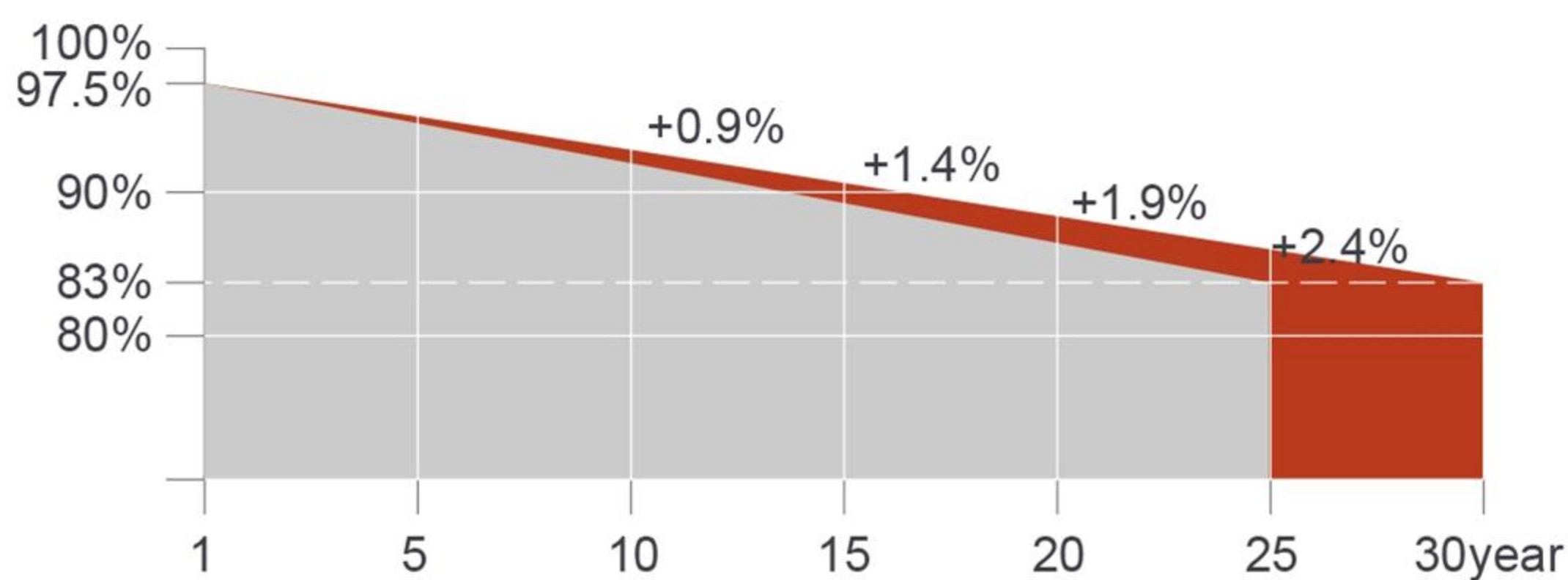
PRODUCT CERTIFICATES



SYSTEM CERTIFICATES

IEC 61215 / IEC 61730
 ISO 9001 : Quality Management System
 ISO 14001 : Environment Mangement System
 OHSAS 18001 : Occupational Health and Safety Management System

WARRANTY



12
years

12-year Warranty for Materials and Processing

30
years

30-year Warranty for Extra Linear Power Output

KEY FEATURES

0~3%

Output positive tolerance/Guaranteed 0~3% positive tolerance ensures the power output reliability

HALF
CELL

Half-cut 9BB cell technology/New circuit design, lower internal current, lower Rs loss

PID

Anti PID technology/Excellent Anti-PID performance

NEW
-IEC-

Tested and certified according IEC standard /IEC61215/IEC61730 standard quality



Highly reliable due to stringent quality control/Three times strict EL testing beyond certification requirements



Lower temperature coefficients/Outstanding power output capability at low irradiance

ELECTRICAL PARAMETERS AT STC

Module Type	NV-400-60MH	NV-405-60MH	NV-410-60MH	NV-415-60MH	NV-420-60MH
Rated Maximum Power(Pmax) [W]	400	405	410	415	420
Open Circuit Voltage(Voc) [V]	41.2	41.4	41.6	41.8	42.0
Maximum Power Voltage(Vmp) [V]	34.2	34.4	34.6	34.8	35.0
Short Circuit Current(Isc) [A]	12.28	12.34	12.40	12.46	12.52
Maximum Power Current(Imp) [A]	11.70	11.77	11.85	11.92	12.00
Module Efficiency [%]	20.8	21.1	21.3	21.6	21.9

STC: Irradiance 1000 W/m² module temperature 25°C AM=1.5

ELECTRICAL PARAMETERS AT NOCT

Module Type	NV-400-60MH	NV-405-60MH	NV-410-60MH	NV-415-60MH	NV-420-60MH
Rated Maximum Power(Pmax) [W]	302	306	310	314	318
Open Circuit Voltage(Voc) [V]	38.8	39.0	39.2	39.4	39.6
Maximum Power Voltage(Vmp) [V]	32.2	32.5	32.7	32.9	33.1
Short Circuit Current(Isc) [A]	9.90	9.95	10.00	10.05	10.10
Maximum Power Current(Imp) [A]	9.38	9.44	9.50	9.56	9.62

NOCT: Irradiance 800 W/m² ambient temperature 20°C wind speed: 1m/s

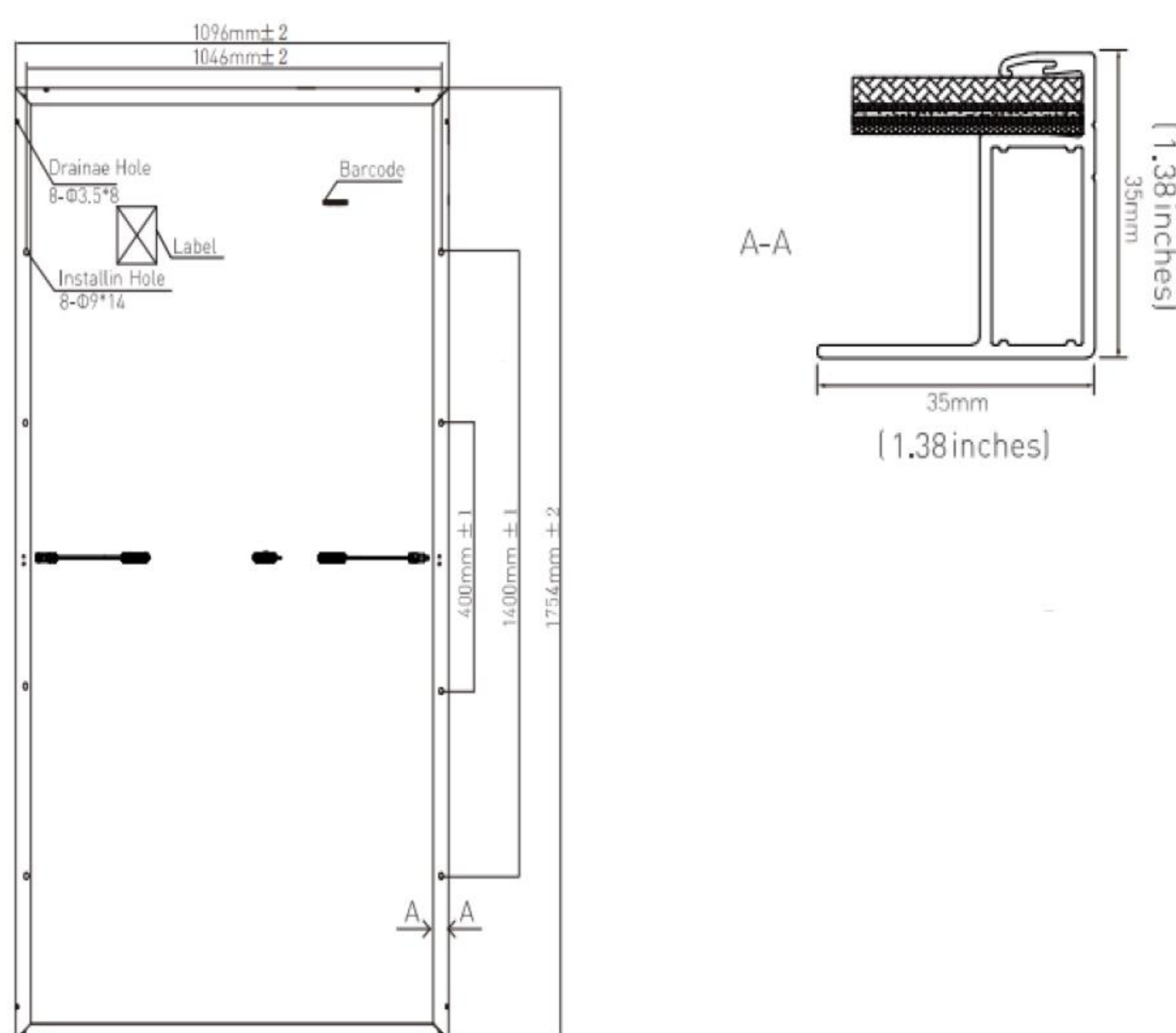
OPERATING CONDITIONS

Power Tolerance (W)	(0,+4.99)
Maximum System Voltage (V)	1000VDC / 1500VDC
Pmax Temperature Coefficient	-0.36 %/°C
Voc Temperature Coefficient	-0.28%/°C
Isc Temperature Coefficient	+0.05 %/°C
Nominal Operating Cell Temperature	45±2 °C
Operating Temperature	-40 °C -+85 °C
Maximum Series Fuse	20A

MECHANICAL SPECIFICATION

Cell Type	Monocrystalline
Cell Dimensions	210mm
Cell Arrangement	124(5*24)
Weight	21.0kg
Module Dimensions	1754*1096*30mm
Cable	4.0 mm ² , (+)290mm, (-)145mm or Customized Length
Front Glass	3.2 mm AR coating tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP67/IP68
Connector	MC4 Compatible
Mechanical Load	Front side 5400Pa/ Rear side 2400Pa

Technical drawing

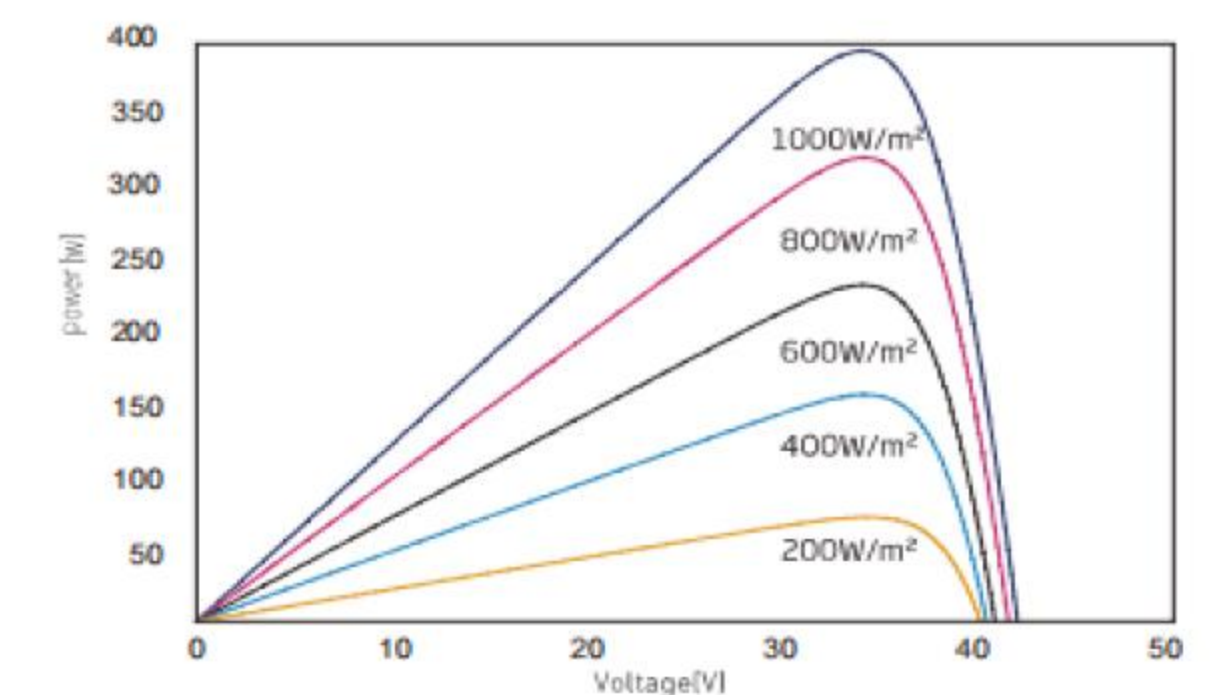
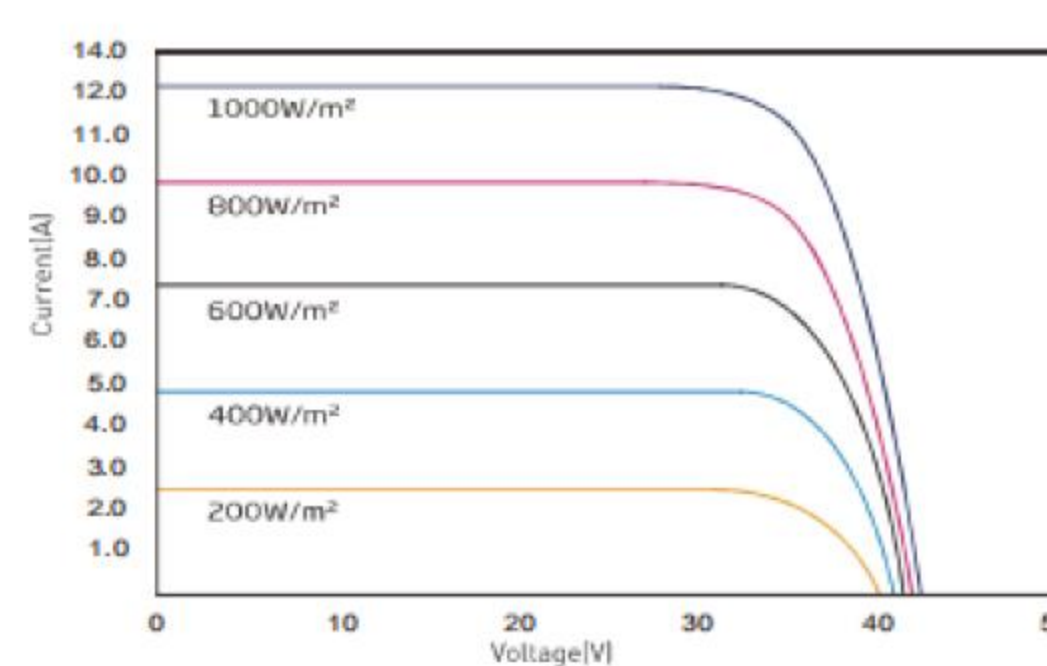


* All Dimensions in mm.

* The above drawing is a graphical representation of the product.

For engineering quality drawings please contact NONIVIA SOLAR ENERGY.

I-V Curve



PACKING CONFIGURATION

Packaging Material	Wooden Pallet/Carton
Quantity/Pallet	31pcs/pallet
Quantity/Container	372pcs/20GP 936pcs/40HQ