



Half-Cell SERIES

HTM320MH-60

HALF-CELL MONOCRYSTALLINE SILICON PV MODULES



5 BUSBAR HALF-CELLS

Innovative half-cutting cell technology, lower internal current, lower internal resistance loss



HIGH OUTPUT POWER

Output power is higher than the same type of conventional monocrystalline modules



ANTI-PID CHARACTERISTICS

Ensure large-scale production of half-cell monocrystalline modules pass PID test



HOT-SPOT EFFECT

Low hot spot temperature, higher safety performance



LOAD CAPACITY

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal)

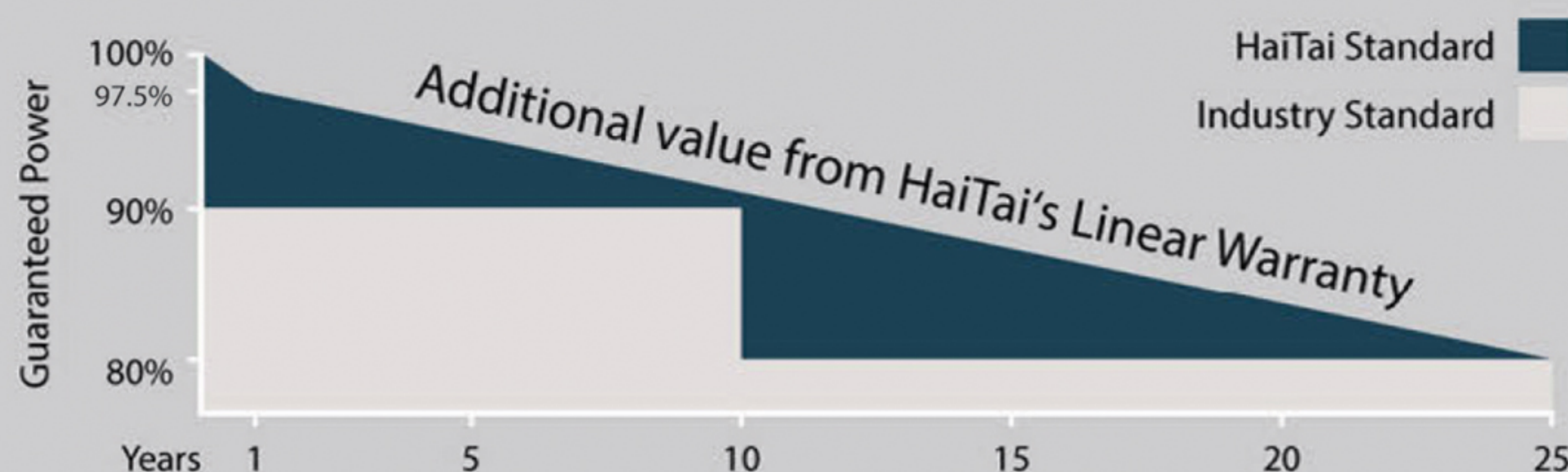


HARSH ENVIRONMENT ADAPTATION

High salt mist and ammonia resistance certified by TUV

LINEAR PERFORMANCE WARRANTY

12 year Product Warranty / 25 year Linear Power Warranty



Mechanical Data

Cell Type	156.75x78.375mm Mono
Cell	120 (6x20)
Module Dimensions	1675x992x35mm
Weight	19.0kg
Glass	3.2mm high transmittance, reinforced glass
Backsheet	Anti-aging film
Frame Material	Anodized aluminum alloy
Junction Box	Protection class IP67
Cable	4.0mm ² photovoltaic special cable
Cable length	Positive: 300mm, Negative: 400mm
Connector	MC4 compatible connector

HTM320MH-60

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Electrical Data (STC)

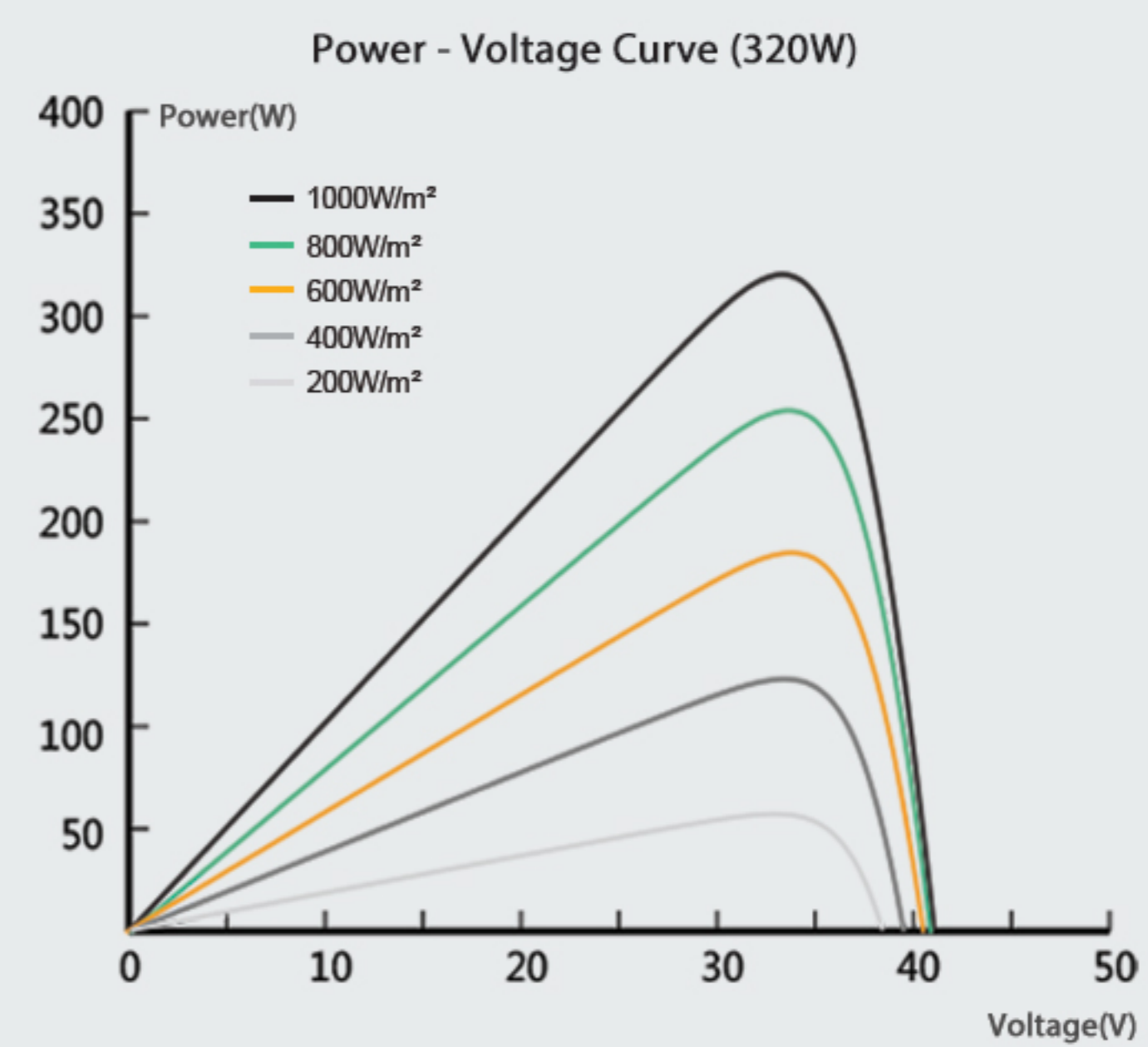
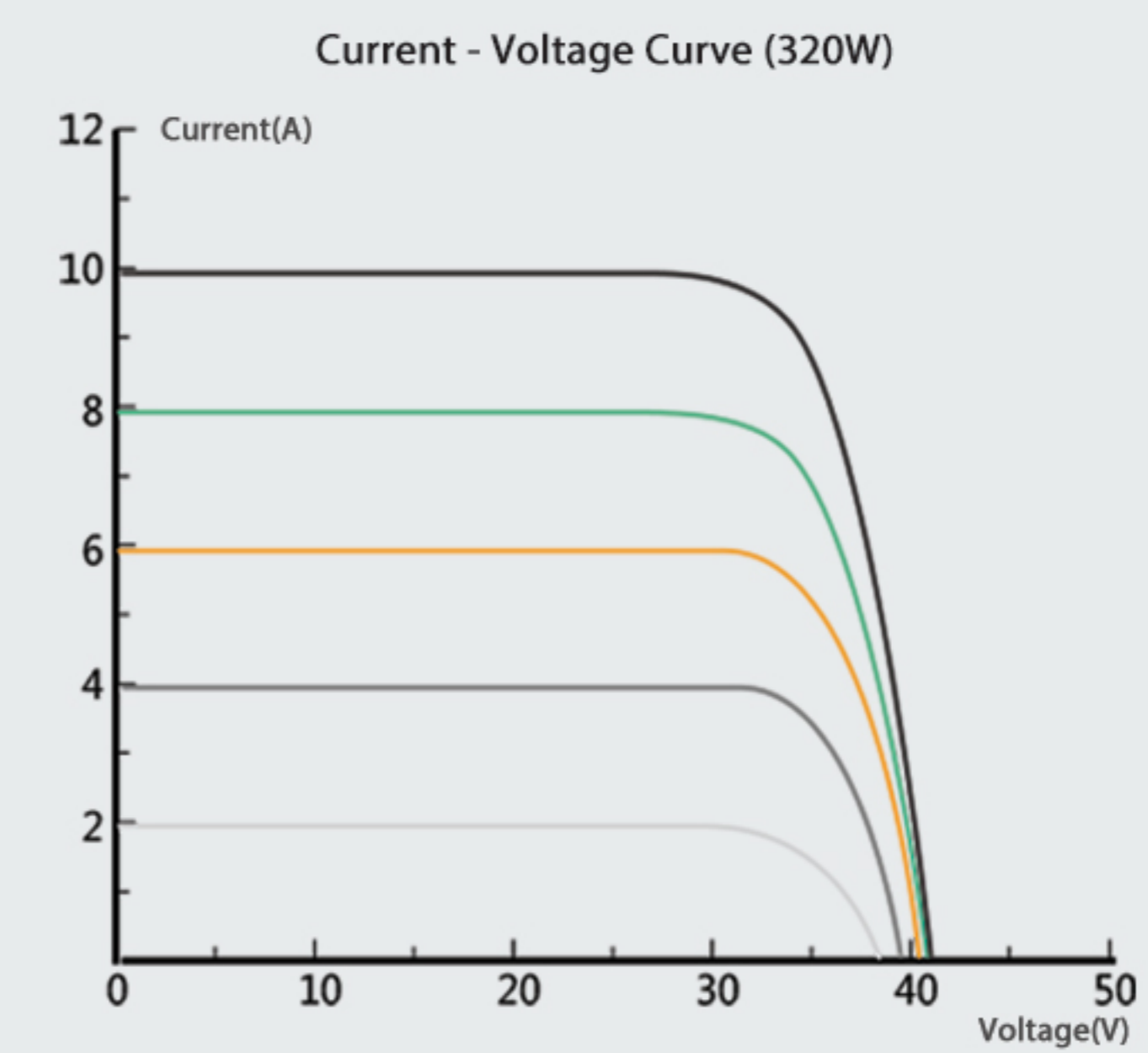
Maximum Power (Pmax/W)	320
Voltage at Maximum Power (Vmp/V)	34.08
Current at Maximum Power (Imp/A)	9.39
Open Circuit Voltage (Voc/V)	41.39
Short Circuit Current (Isc/A)	9.91
Module Efficiency (%)	19.26

Electrical Data (NMOT)

Maximum Power (Pmax/W)	235
Voltage at Maximum Power (Vmp/V)	31.26
Current at Maximum Power (Imp/A)	7.52
Open Circuit Voltage (Voc/V)	38.07
Short Circuit Current (Isc/A)	8.05

STC (Standard Testing Conditions): Irradiance 1000W/m², Cell Temperature 25°C, AM1.5
 NMOT (Nominal Module Operating Temperature): Ambient Temperature 20°C, Wind Speed 1m/s.

I-V Curve



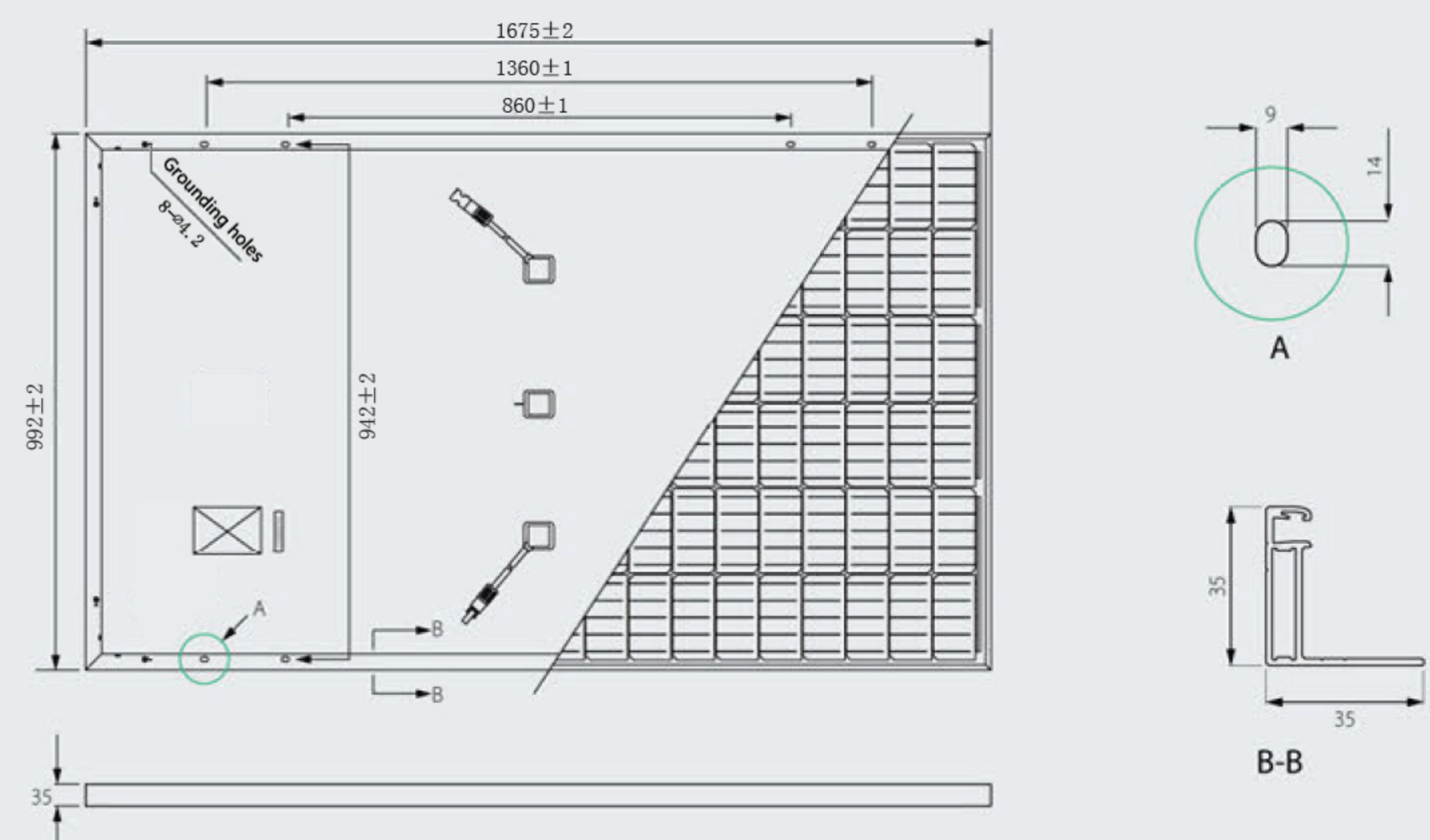
Temperature

Temperature Coefficient (Pm)	-0.393%/°C
Temperature Coefficient (Voc)	-0.287%/°C
Temperature Coefficient (Isc)	0.024%/°C

Operating Parameters

Maximum System Voltage	1000/1500V
Operating Temperature	-40°C~+85°C
NMOT (Nominal Module Operating Temperature)	41±3°C

Module Dimensions (mm)



Packaging

Modules Per Pallet: 31+31+4 pcs
 Modules Per 40'HQ Container: 858 pcs



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