



490-520W Monocrystalline Module

Cell Type



10BB(210mm)



500W
Maximum Power
Output

21.6%
Maximum Module
Efficiency

0~+5W
Power Output
Guarantee



Ideal choice for large scale
ground installation



Selected encapsulating
material and stringent
production process control
ensure the product is highly
PID resistant and snail trails
free



Special cutting and soldering
technology leads to low
hotspot risk



Sand blowing test, salt mist
test and ammonia test
passed to endure harsh
environments



Optimized system
performance due to module
level current sorting

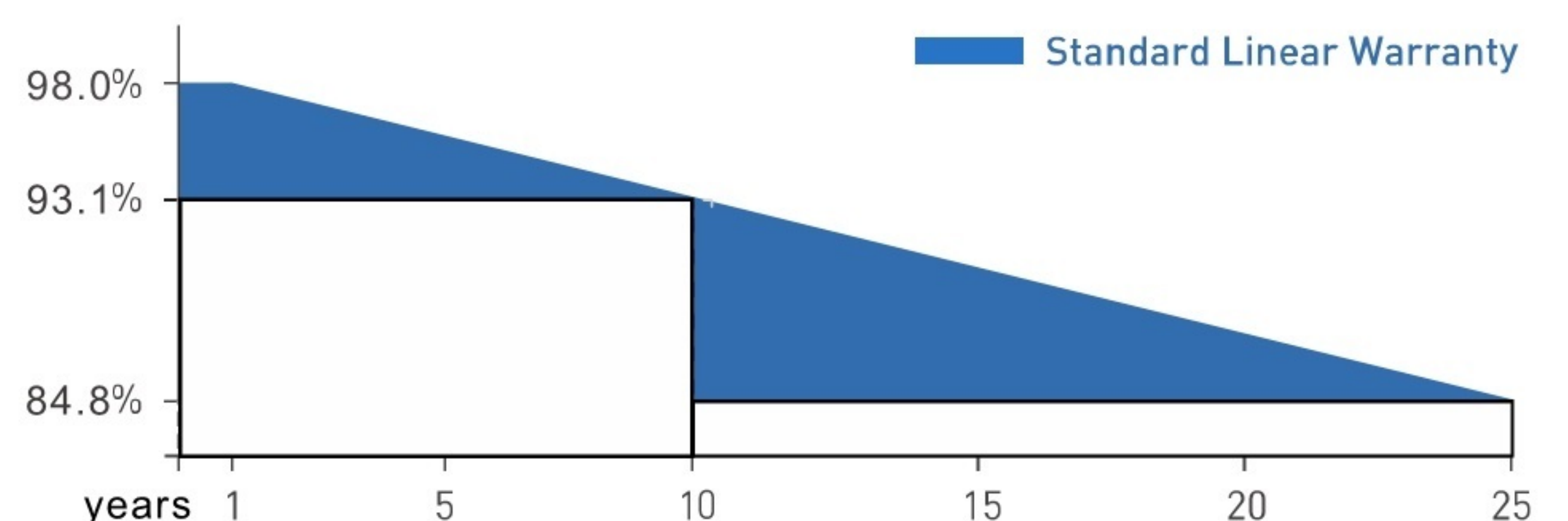


Highly transparent
self-cleaning glass brings
additional yield and easy
maintenance

Delivers Reliable Performance Over Time

- manufacturer of crystalline silicon photovoltaic modules
- Fully automatic facility and world-class technology
- Rigorous quality control to meet the highest standard: ISO9001:2015, ISO14001: 2015 and OHSAS: 18001 2007
- Tested for harsh environments (salt mist, ammonia corrosion and sand blowing test: IEC 61701, IEC 62716, DIN EN 60068-2- 68)
- Long term reliability tests
- 2x100% EL inspection ensuring defect-free modules

Linear Performance Warranty



10 Years Product Warranty 25 Years Linear Power Warranty

* Please refer to standard warranty for details

Product certification



+86-571-85273827



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www.maysunsolar.com

Monocrystalline Module

490-520W

Electrical Specification (STC*)

Maximum Power	Pmax[W]	490	500	510	520
Maximum Power Voltage	Vmp[V]	42.4	42.8	43.2	43.6
Maximum Power Current	Imp[A]	11.56	11.69	11.81	11.93
Open Circuit Voltage	Voc[V]	51.3	51.7	52.1	52.5
Short Circuit Current	Isc[A]	12.14	12.28	12.42	12.56
Module Efficiency	(%)	20.5	20.9	21.2	21.6
Power Output Tolerance	[W]	0~+5			

* Irradiance 1000W/m², Module Temperature 25°C, Air Mass 1.5

Electrical Specification (NOCT*)

Maximum Power	Pmax [W]	371	379	387	395
Maximum Power Voltage	Vmp [V]	40.0	40.4	40.8	41.2
Maximum Power Current	Imp [A]	9.26	9.37	9.49	9.59
Open Circuit Voltage	Voc[V]	48.4	48.8	49.2	49.6
Short Circuit Current	Isc [A]	9.77	9.89	10.01	10.12

* Irradiance 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s

Mechanical Data

Number of Cells	150 Cells (5×30)
Dimensions of Module L*W*H (mm)	2185×1098×35mm (86.02×43.22×1.38 inches)
Weight (kg)	26.5kg
Glass	High transparency solar glass 3.2mm (0.13 inches)
Backsheet	White
Frame	Silver, anodized aluminium alloy
J-Box	IP68 Rated
Cable	4.0mm² (0.006 inches²), 300mm (11.8 inches)
Number of diodes	3
Wind/ Snow Load	2400Pa/ 5400Pa*
Connector	MC Compatible

* For more details please check the installation manual

Temperature Ratings

Nominal Operating Cell Temperature (NOCT)	43±2°C
Temperature Coefficient of Isc	+0.040%/°C
Temperature Coefficient of Voc	-0.250%/°C
Temperature Coefficient of P _{MAX}	-0.340%/°C

Maximum Ratings

Operational Temperature	-40~+85°C
Maximum System Voltage	1500V DC -(H)
Max Series Fuse Rating	25A

Packaging Configuration

Module per box	31 pieces
Module per 40' container	620 pieces

Optional

Connector	 MC Original
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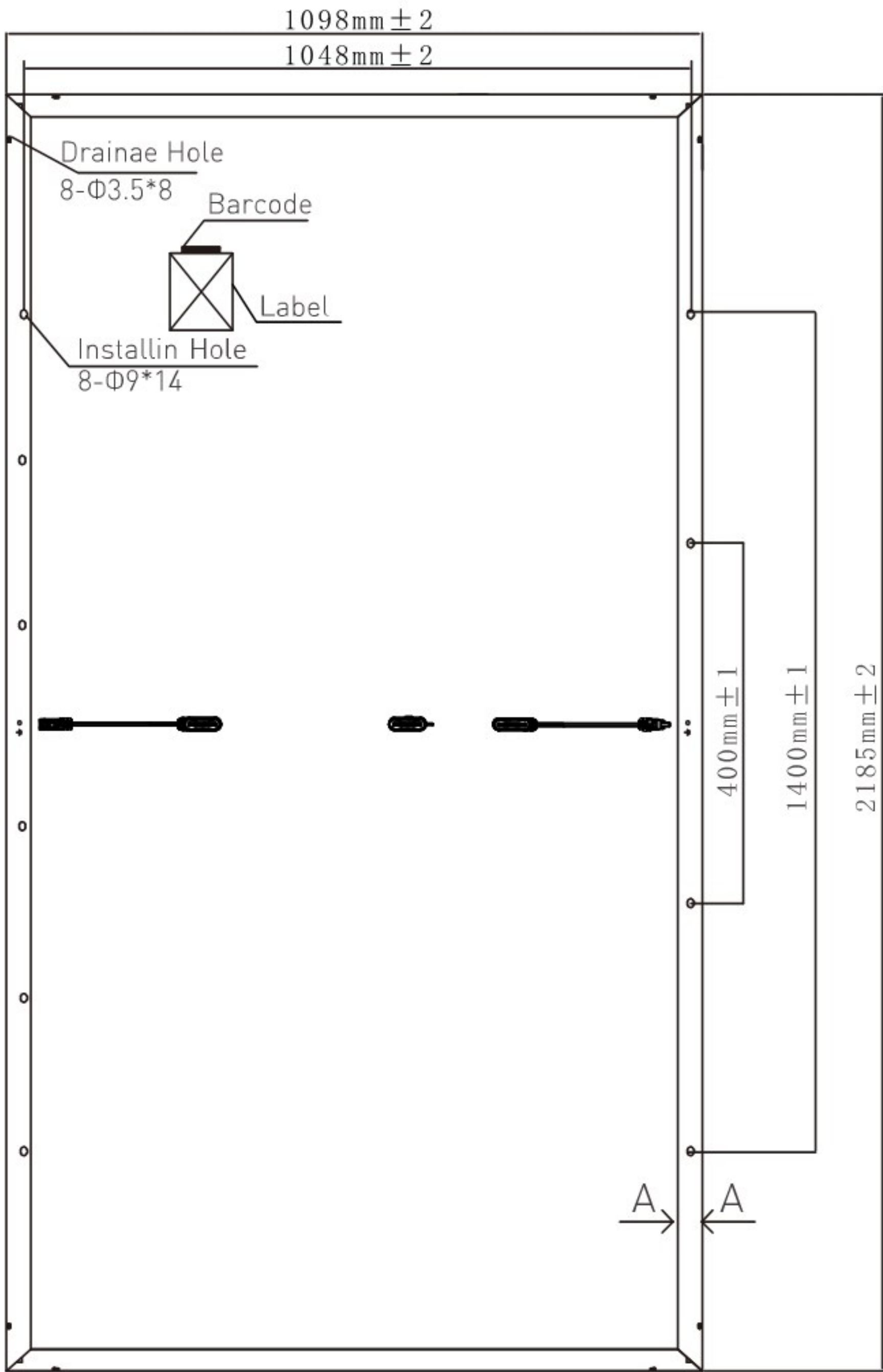


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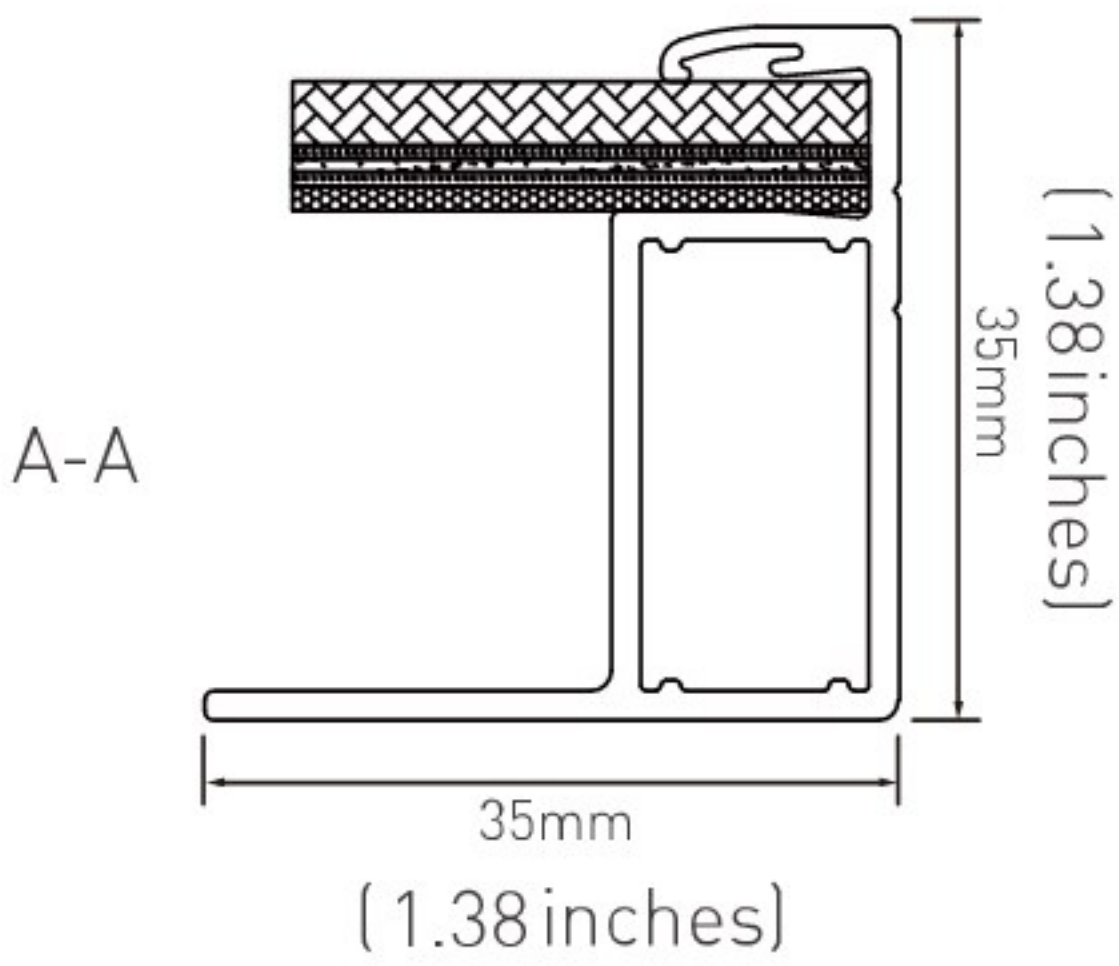


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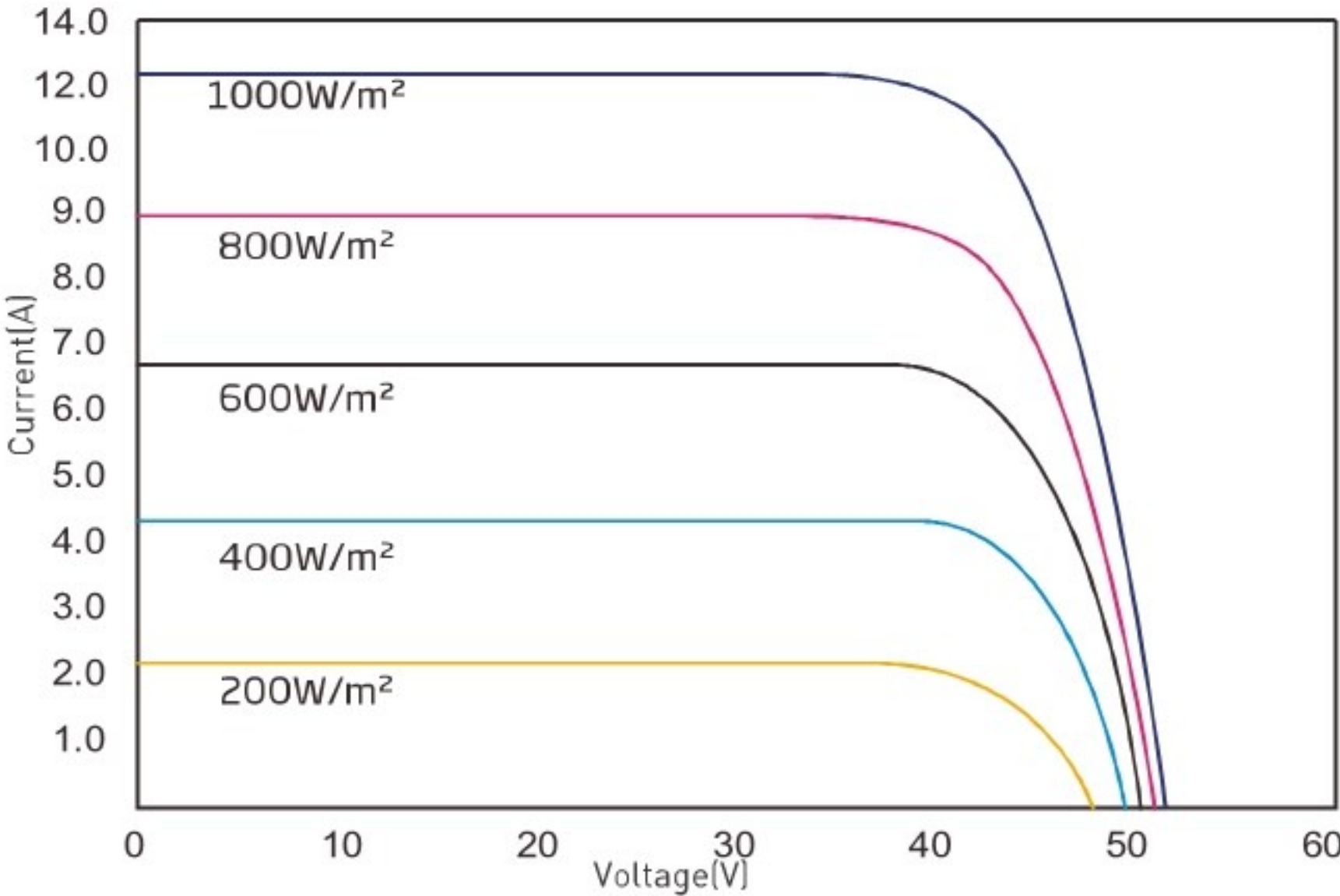
Module Dimension



Back View



I-V Curve at Different Temperature (490W)



P-V Curve at Different Irradiation (490W)

