

Advantages



High Light Transmissivity



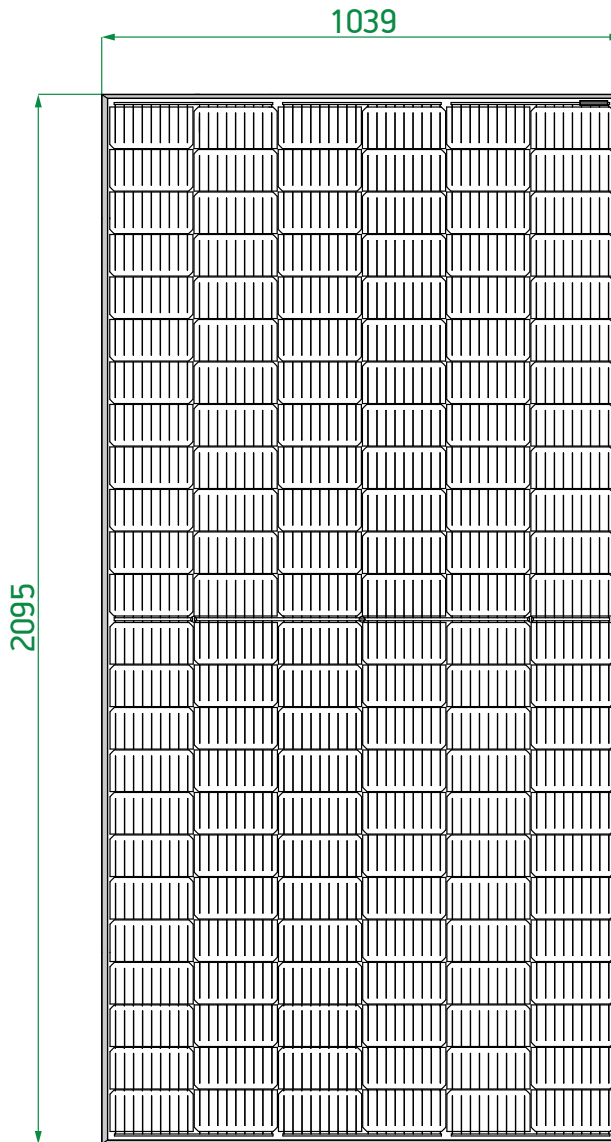
Optional Glass for High Degree of Light Diffusion



Suitable for New or Retrofit Greenhouse Applications



Available in Custom Sizes



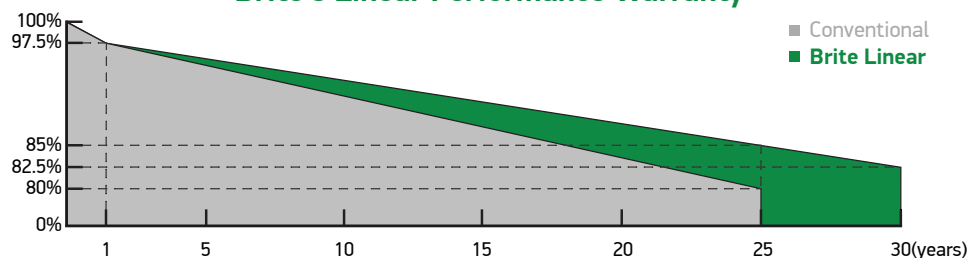
450 Wp

8.06 %T

12 Years Material & Craft Quality Assurance

30 Years Power Output Guarantee

Brite's Linear Performance Warranty



ISO 9001: Quality Management System
 ISO 14001: Environmental Management System
 IEC/EN61215 - IEC/EN61730 - ANSI/UL61703



Mechanical Specifications

Length	2095mm
Width	1039mm
Thickness	30mm
Solar Cells	166mm x 83mm, 144pcs
Solar Cell Type	Bifacial Monocrystalline
Solar Module Area	1.984m ²
Front Glass	2mm Tempered AR >93.5% TL
Encapsulant	POE/EVA
Back Glass	2mm Transparent
Weight	28.6kg
Cable	TUV Certified 4mm ²
Junction Box	IP68 - 3 Bypass Diodes
Connectors	MC4 Compatible
Shading	91.94%
Operating Temperature	-40~+85°C
Maximum Static Load	5400Pa

Electrical Specifications (STC)

Short Circuit Current (Isc)	11.68A
Opt. Operating Current (Imp)	10.98A
Open Circuit Voltage (Voc)	49.38V
Opt. Operating Voltage (Vmpp)	40.98V
Nominal Max Power (Pmax)	450Wp
Power Output Tolerance	±2%
Maximum System Voltage	1500V
Maximum Series Fuse Rating	20A

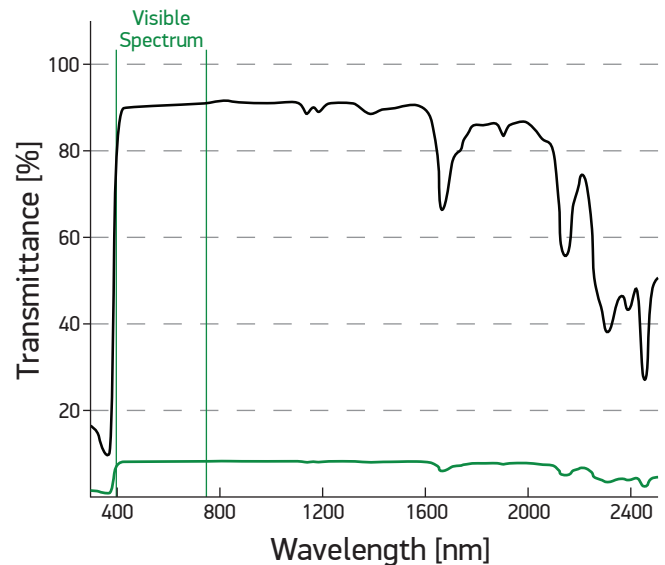
Temperature Coefficients

Temp. Coefficient Pmax (%/°K)	-0.397
Temp. Coefficient Voc (%/°K)	-0.281
Temp. Coefficient Isc (%/°K)	0.0282
Nominal Operating Cell Temp.	45±2°C

Packaging Configuration

Modules Per Box	35 Pcs
Modules Per 40' Container	770 Pcs

Light Transmittance



Half the current, reducing hotspot temperatures



Superior low irradiance performance



Excellent temperature coefficient characteristics



No snail trail



Fully symmetrical structure to prevent micro cracks



Assembled with thinner and lighter glass (2mm)



Half cell, MBB technology, 'series then parallel' cell connection design



Highly corrosion resistant



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