

# Double Glass (Bi-Verre) *UL - 270M - 60 DG*

BE IN SOLAR



AZB products range covers all from off-grid panels to on grid panels, both mono-crystalline and poly-crystalline, suitable for all types of installation from residential to commercial projects.

DOUBLE GLASS



**Reduced system cost**

1500V Higher maximum system voltage reduces BoS costs



**Improved durability and reliability**

Double tempered glass increases the module robustness to minimize micro-cracks



**PID Free and Snail Trail Free**

Without backsheet and frame reduces the water permeability and PID risks.



**High Fire-resistance rating**

1000°C heat resistant glass ensures the higher fire rating test of class A.



**Reduced daily maintenance**

Frameless design allows less accumulation of sand, dust or snow at the edge.



**Excellent performance in harsh environmental conditions**

5400Pa Snow Load Test, 2400Pa Wind Load Test  
Better resistance to corrosion against high-temperature, high-humidity, acid, salty mist, sandy and other harsh conditions.



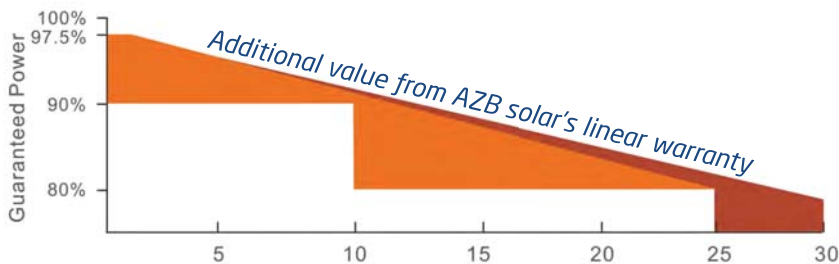
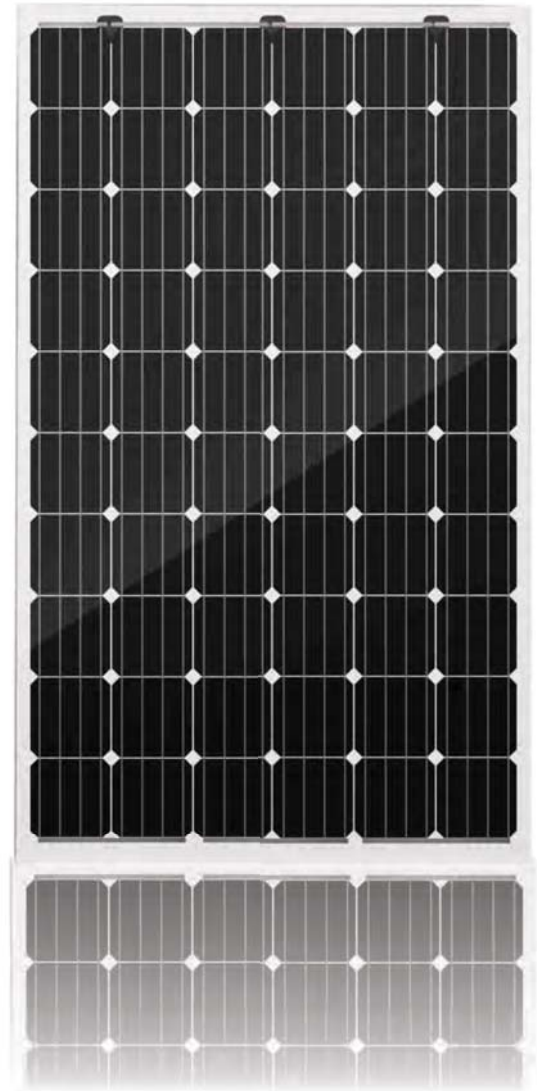
**Longer lifetime**

Less annual power loss of 0.5%, and provide 30 years performance warranty



**World famous insurance against our warranty**

CHUBB Insurance from USA, Solar Insurance & Finance from Netherlands



12-year workmanship warranty  
30-year linear performance warranty





## ELECTRICAL PERFORMANCE

Electrical Parameters Standard Test Conditions

Module Type			UL-260M-60 DG	UL-265M-60 DG	UL-270M-60 DG
Power Output	P <sub>max</sub>	W	260	265	270
Power Tolerance	ΔP <sub>max</sub>	%		0/+5W	
Module Efficiency	η <sub>m</sub>	%	15.81	16.11	16.42
Voltage at P <sub>max</sub>	V <sub>m</sub>	V	30.8	30.9	31.0
Current at P <sub>max</sub>	I <sub>m</sub>	A	8.45	8.58	8.71
Open-Circuit Voltage	V <sub>oc</sub>	V	38.0	38.1	38.2
Short-Circuit Current	I <sub>sc</sub>	A	8.98	9.06	9.15

STC: 1000w/m<sup>2</sup> irradiance, 25°C module temperature, AM1.5 spectrum.

## THERMAL CHARACTERISTICS

Nominal Operating Cell Temperature	NOCT	°C	45±2
Temperature Coefficient of P <sub>max</sub>	γ	%/°C	-0.413
Temperature Coefficient of V <sub>oc</sub>	β <sub>voc</sub>	%/°C	-0.330
Temperature Coefficient of I <sub>sc</sub>	α <sub>isc</sub>	%/°C	+0.049

## OPERATING CONDITIONS

Max. System Voltage	1500V
Max. Series Fuse Rating	15A
Operating Temperature Range	-40°C~85°C
Max. Static Load, Front (e.g., snow and wind)	5400Pa
Max. Static Load, Back (e.g., wind)	2400Pa
Application Class	A

## CONSTRUCTION MATERIALS

Front Cover(material/type/thickness)	low-iron tempered glass/3.2mm
Cell(quantity/material/type/dimension)	60/non-crystalline/156x156mm
Encapsulant(material)	ethylene vinyl acetate(EVA)
Junction Box(Protection degree)	IP67
Cable(length/cross-sectional area)	400mm/4mm <sup>2</sup>
Plug Connector	MC4 compatible

## GENERAL CHARACTERISTICS

Dimension(L/W/H)	1658/992/6mm
Weight	23.5mm

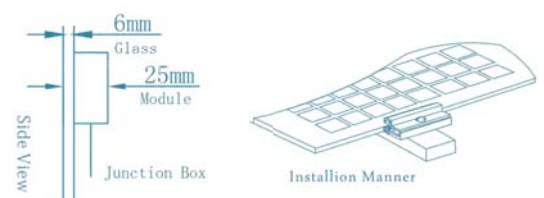
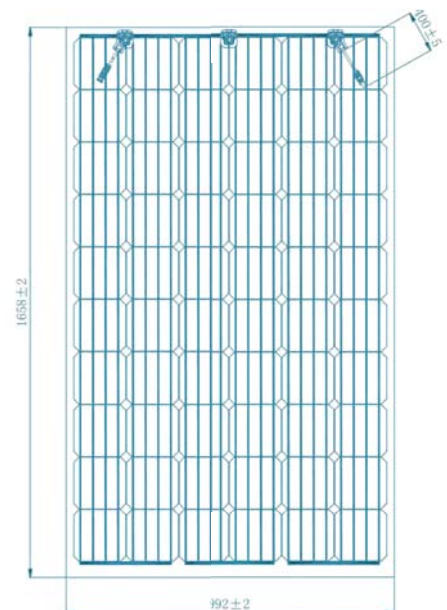
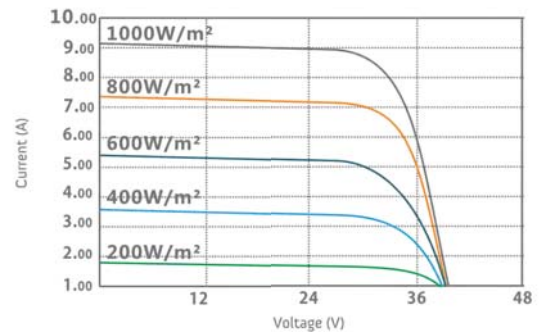
## PACKING CONFIGURATION

Pallet Size(L/W/H)	1730/1120/2350mm
Pallet Weight	1520kg
Pieces per Pallet	60pcs
Pieces per Container	780pcs

## INTERNATIONAL CERTIFICATES

- IEC61215, IEC61730/TÜV, UL, CE, CEC, JET, MCS, CE, CQC, IMETRO, NRE
- ISO9001:2008
- ISO14001:2004
- BS OHSAS 18001:2007

## I-V CURVE



Please read the instruction manual in its entirety before handling, installing,

Our partner:

Due to continuous innovation, research and improvement, the specification is subject to change without prior notice.