

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.



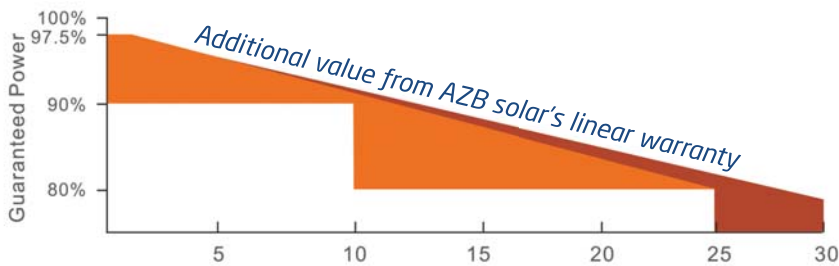
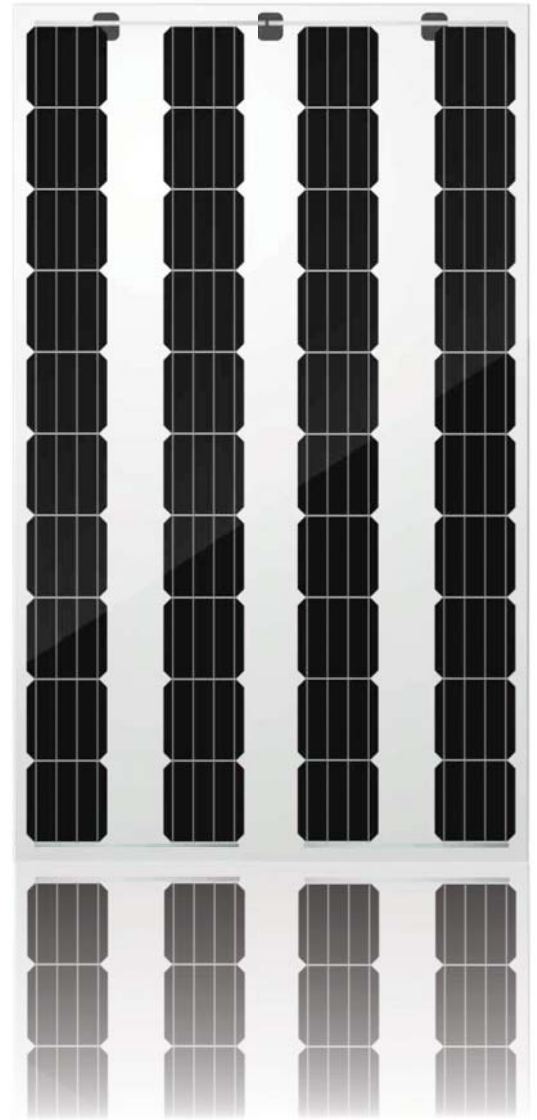
Excellent performance in harsh environmental conditions
5400Pa Snow Load Test, 2400Pa Wind Load Test
Better resistance to corrosion against high-temperature, high-humidity, acid, salty mist, sandy and other harsh conditions.



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-175M-40 DG		UL-180M-40 DG	
Power Output	P _{max}	W	175	180
Power Tolerance	ΔP _{max}	%	0/+5W	
Module Efficiency	η _m	%	10.60	10.90
Voltage at P _{max}	V _m	V	20.6	20.8
Current at P _{max}	I _m	A	8.50	8.66
Open-Circuit Voltage	V _{oc}	V	25.4	25.5
Short-Circuit Current	I _{sc}	A	9.05	9.20

STC: 1000w/m² irradiance, 25°C module temperature, AM1.5 spectrum.

THERMAL CHARACTERISTICS

Nominal Operating Cell Temperature	NOCT	°C	45±2
Temperature Coefficient of P _{max}	γ	%/°C	-0.413
Temperature Coefficient of V _{oc}	β _{voc}	%/°C	-0.330
Temperature Coefficient of I _{sc}	α _{isc}	%/°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/monocrystalline/156x156mm
Encapsulant(material)	ethylene vinyl acetate(EVA)
Junction Box(protection degree)	IP67
Cable(length/cross-sectional area)	400mm/4mm ²
Plug Connector	MC4 compatible

GENERAL CHARACTERISTICS

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

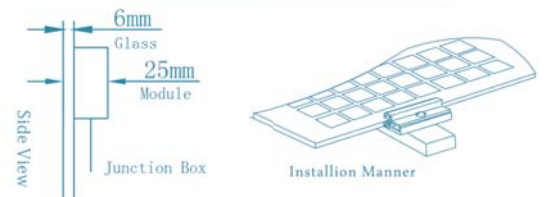
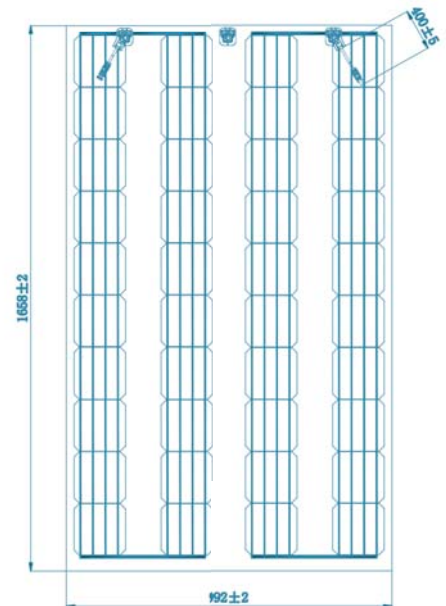
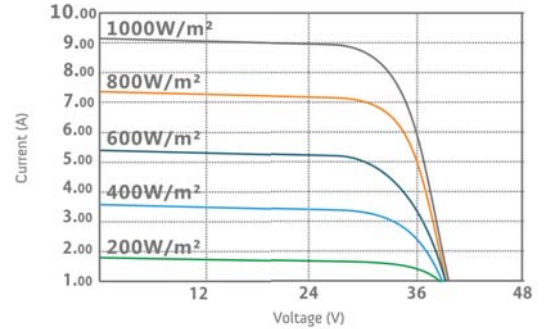
PACKING CONFIGURATION

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
- ISO140001:2004
- BS OHSAS 18001:2007

I-V CURVE



Please read the instruction manual in this entirety before handing, installing, and operating Ulica Solar modules.

Our partner:

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