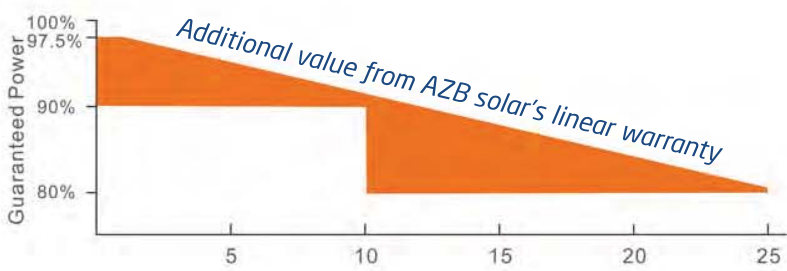


AZB products range covers all from off-grid panels to on grid panels, both mono-crystalline and poly-crystalline, suitable for all types of installation from residential to commercial projects.

-  **New 4 Busbar cell technology**
Increasing the efficiency and output, and reducing the resistance and hot-spot risks.
-  **Positive power output (0~+5W)**
-  **Outstanding mechanical load resistance**
Snow load 5400Pa (Frontside), and Wind load 3800Pa (Backside)
-  **High performance under low light conditions**
Cloudy days, Rainy days
-  **Anti-PID (potential induced degradation) Test**
Passed anti-PID test under Damp Heat 85°C and 85% RH 96Hours
-  **Durability against extreme environmental conditions**
Salt mist corrosion test, Ammonia corrosion test, Fire Test, certified by TÜV SÜD
-  **Double EL test before and after lamination**
Highly control the micro cracks and invisible defects.
-  **World famous insurance against our warranty**
CHUBB Insurance from USA, Solar Insurance & Finance from Netherlands



10-year workmanship warranty
25-year linear performance warranty





ELECTRICAL PERFORMANCE

Electrical Parameters Standard Test Conditions

Module Type			UL-310P-72	UL-315P-72	UL-320P-72
Power Output	P _{max}	W	310	315	320
Power Tolerance	ΔP _{max}	W	0/+5W		
Module Efficiency	η _m	%	16.00	16.26	16.52
Voltage at P _{max}	V _m	V	36.7	36.8	36.9
Current at P _{max}	I _m	A	8.45	8.56	8.68
Open-Circuit Voltage	V _{oc}	V	45.3	45.4	45.8
Short-Circuit Current	I _{sc}	A	8.86	8.97	9.07

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	-0.403
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	1000V
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)	3800Pa
Application Class	A

CONSTRUCTION MATERIALS

Front Cover (material/type/thickness)	low-iron tempered glass/3.2mm
Cell (quantity/material/type/dimension)	72/polycrystalline/156x156mm
Encapsulant (material)	ethylene vinyl acetate(EVA)
Frame (material/anodization color)	anodized aluminum alloy/silver or black
Junction Box (protection degree)	IP67
Cable (length/cross-sectional area)	1100mm/4mm ²
Plug Connector	MC4 compatible

GENERAL CHARACTERISTICS

Dimension (L/W/H)	1953/992/46mm
Weight	22.5kg

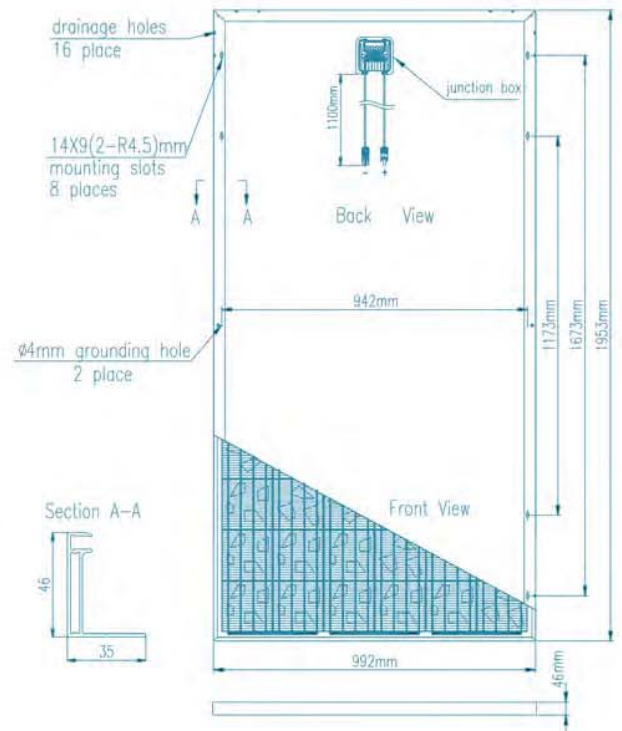
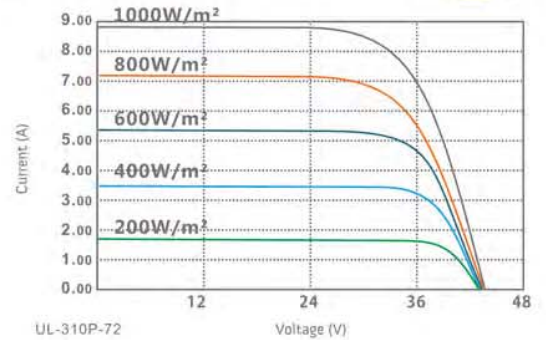
PACKING CONFIGURATION

Pallet Size (L/W/H)	2030/1120/2350mm
Pallet Weight	1060kg
Pieces per Pallet	44pcs
Pieces per Container	484pcs

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.

Our partner:

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