



NEW (5BB)

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 5 Busbar cell technology

Mechanical stress distributed with better balance
minimum reduced micro cracks and resistance losses
increased module performance with higher Fill Factor.



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



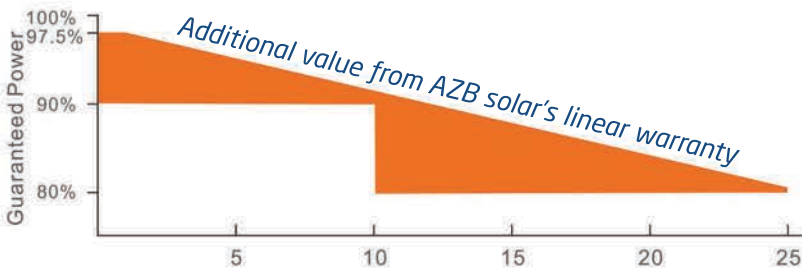
Double EL test before and after lamination

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-265P-60 | UL-270P-60 | UL-275P-60 |
|-----------------------------|-------------------|---|------------|------------|------------|
| Power Output | P _{max} | W | 265 | 270 | 275 |
| Power Tolerance | ΔP _{max} | W | | 0/+5W | |
| Module Efficiency | η _m | % | 16.19 | 16.50 | 16.80 |
| Voltage at P _{max} | V _m | V | 30.9 | 31.0 | 31.1 |
| Current at P _{max} | I _m | A | 8.58 | 8.71 | 8.85 |
| Open-Circuit Voltage | V _{oc} | V | 38.0 | 38.2 | 38.3 |
| Short-Circuit Current | I _{sc} | A | 9.02 | 9.13 | 9.25 |

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) | 60/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) | 900mm/4mm ² |
| Plug Connector | MC4 compatible |

GENERAL CHARACTERISTICS

| | |
|------------------|---------------|
| Dimension(L/W/H) | 1650/992/40mm |
| Weight | 18.5kg |

PACKING CONFIGURATION

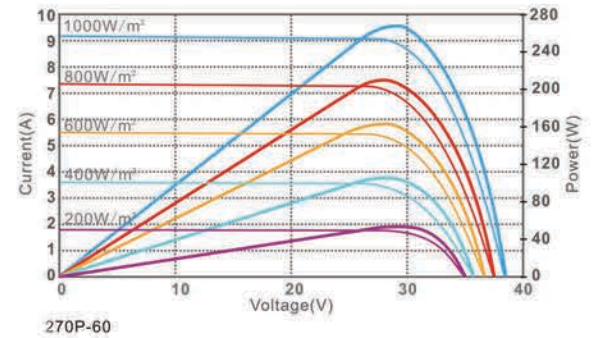
| | |
|----------------------|------------------|
| Pallet Size(L/W/H) | 1730/1120/2350mm |
| Pallet Weight | 1000kg |
| Pieces per Pallet | 52pcs |
| Pieces per Container | 676pcs |

INTERNATIONAL CERTIFICATES

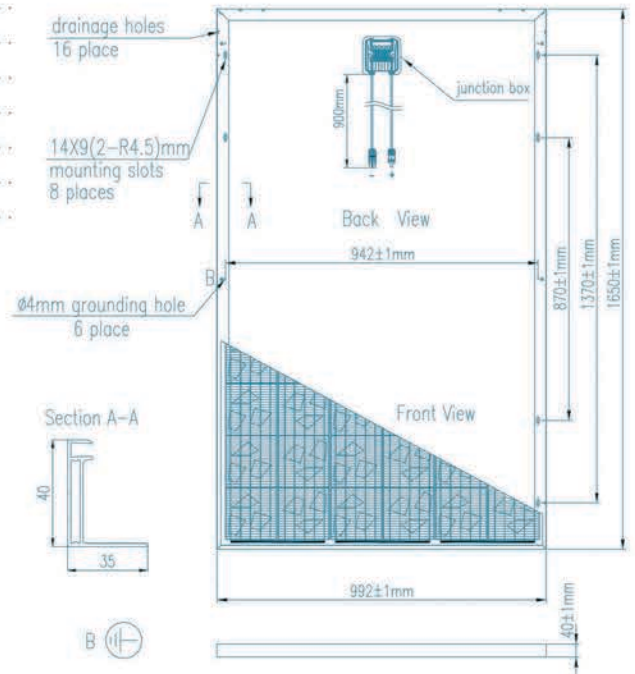
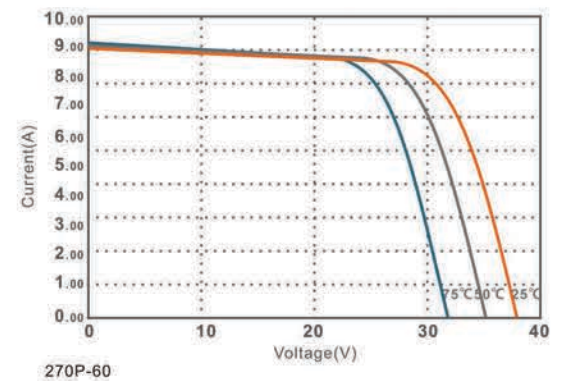
- TÜV SÜD, TÜV NORD, UL, CE, JET, CEC, MCS, CQC, IMERTRO, NRE, KS
- ISO9001:2008
- ISO14001:2004
- BS OHSAS 18001:2007

I-V CURVE

I-V characteristics at different irradiances



I-V characteristics at different temperature



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