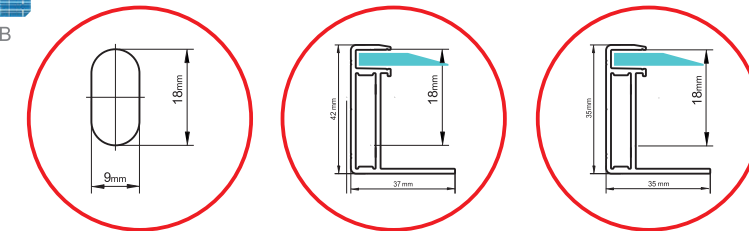




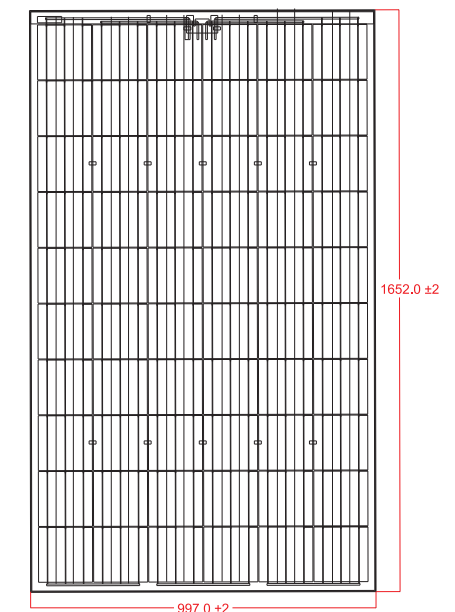
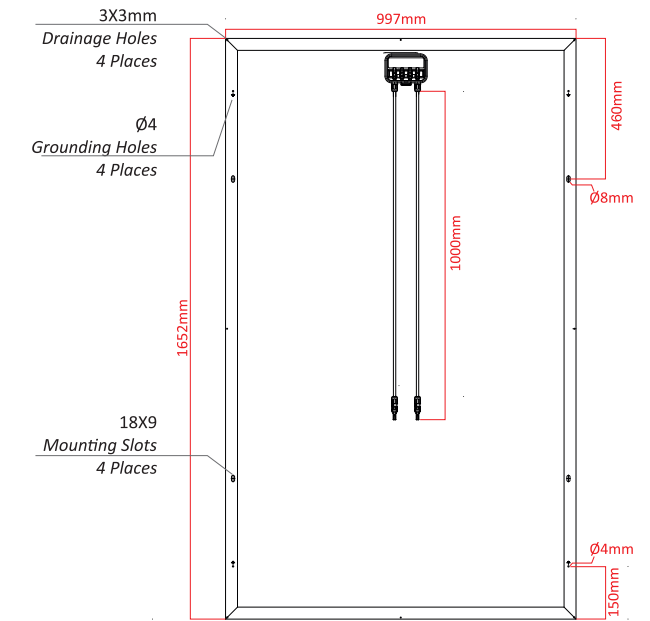
Mounting Slot

Frame

Frame



FRAME CAN BE MANUFACTURED WITH TWO DIFFERENT MEASUREMENT OPTIONS.



Technical Specifications

Electrical Data

MODEL	A3S60P 275	A3S60P 280	A3S60P 285
P_{max}	275	280	285
%	16,69	17,00	17,31
I_{mp} (A)	8,46	8,49	8,52
I_{sc} (A)	8,99	9,00	9,02
V_{mp} (V)	32,52	32,99	33,46
V_{oc} (V)	38,58	38,64	38,70

Mechanical Data

Subject	Specification
Dimensions	1652 ± 2 mm (L) x 997 ± 2 mm (W) x 42-35 0,5 mm (D)
Weight	20 Kg
Solar Cell	60 Polycrystalline Type 6" Silicon Cells (156.75 mm x 156.75 mm)
Front Glass	Tempered / Tempered ARC Glass
Encapsuland	Ethylene Vinyl Acetate (EVA)
Backsheet	Composite Film, Color White
Junction Box	Tyco / Ekinler Certificate
Frame	Aluminium Frame (Eloxal Coating)

Operating Conditions

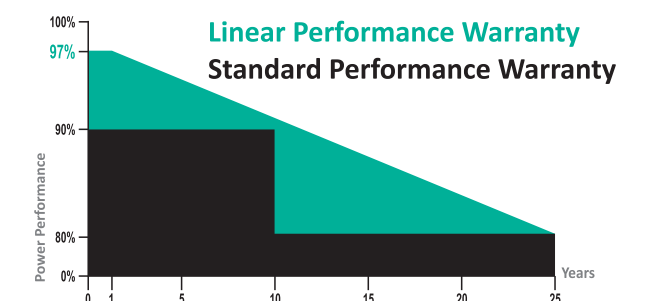
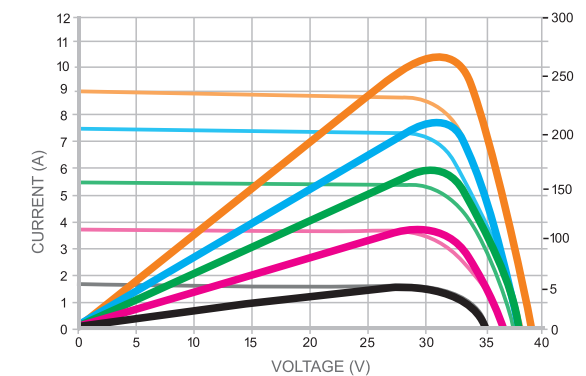
Subject	Specification
Mechanical Strength	5400 Pa (Certified By KIWA MEYER)
Maximum System Voltage	DC 1000 V / 1500 V
Series Fuse Rating	15 A
Operating Temperature	-40 to 85 °C

Temperature Characteristics

Subject	Specification
Nominal Operating Cell Temperature	44 °C ± 2 °C
Temperature Coefficient of P _{mp}	-0,36 % / °C
Temperature Coefficient of I _{sc}	+0,07 % / °C
Temperature Coefficient of V _{oc}	-0,31 % / °C

Warranty

Subject	Specification
Product Warranty	10 Years
Linear Performance Warranty	10 Years, over %90 - 25 Years, over %80
JIT Product	Warranty of selling panels that are produced in last on year.
Power Tolerance	Positive (+) 5 Watt
Online Datasheet on the panel	QR Code System



Electroluminescence: Quality control for small microcracks with infrared radiation.

+5 Sun Simulator: 1000 W/m² radiation, 25°C temperature, +5 positive power tolerance and classification according to power tolerance.

Salt Mist Test: According to IEC 61701 ed.2 Salt Resistance

Snow Load Test: Under 5400 Pa snow load resistance according to IEC 61215

Ammonia Corrosion Test: Corrosion resistance according to IEC 62716

PID Potential Induced Degradation: PID Resistance according to IEC 62804

2400Pa Wind Load Test: Under 2400Pa wind load resistance according to IEC 61215

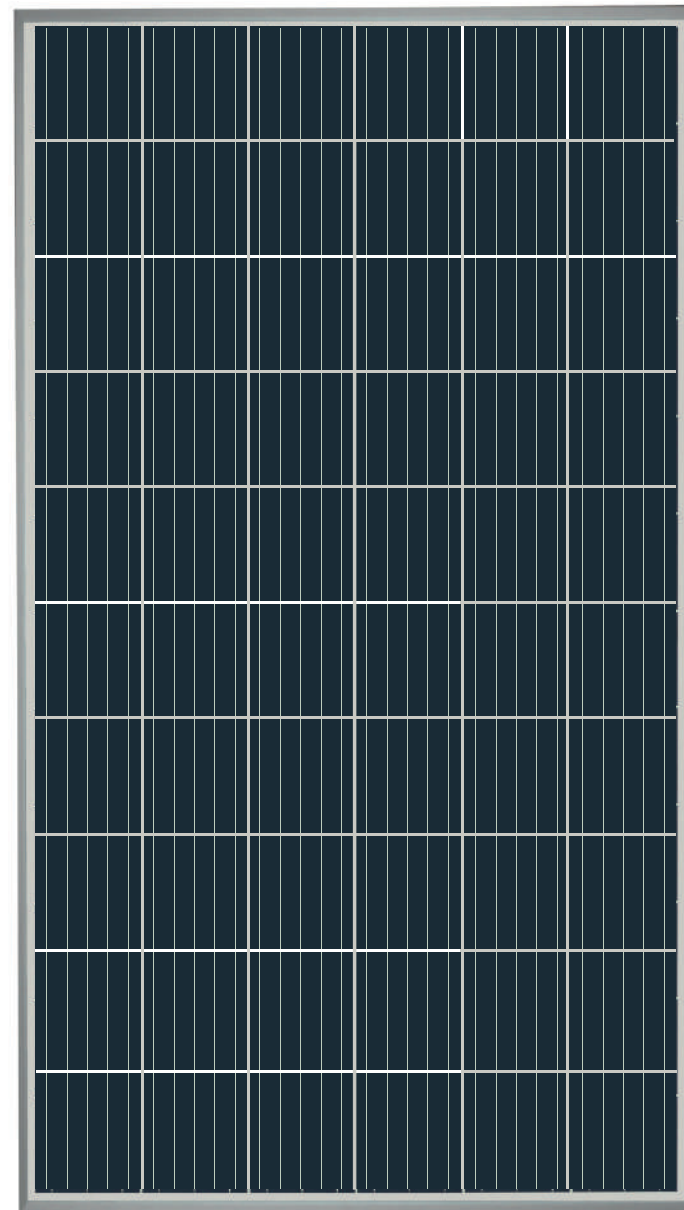
%200 Thermal Cycles Damp Heat Test: 1000 hours damp heat and 200 thermal cycles according to IEC 61215

High Performance in Low Radiation : On cloudy days, morning and evening over %3 performance (200 w/m²)

FF % Fill Factor: High Fill Factor value, increased power.
Cell Power: Five bus bar, with high power.

QR Code System: Real power measurements of modules which have +5 power tolerance ease of viewing with QR Code.

JIT Just in Time Production: Production date is in panels glass, unchangeable and warranty of selling production in that are produced in last one year.



- ISO 9001
- ISO 14001
- ISO 18001
- IEC 61215-1
- IEC 61215-1-1
- IEC 61215-2
- IEC 61730-1
- IEC 61730-2
- IEC 61701
- IEC 62804
- IEC 62716
- OHSAS 18001

"LOCAL ITEM" MENTIONED
IN NUMBER 5346 YEK LAW

Turkey
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WITH AUTOMATIC STRING, ALIGNMENT AND CONTROL