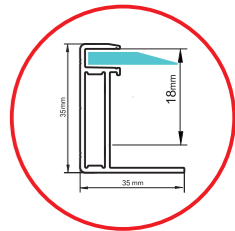
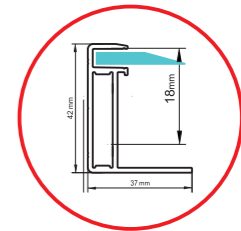
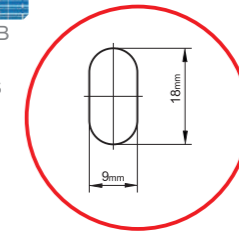


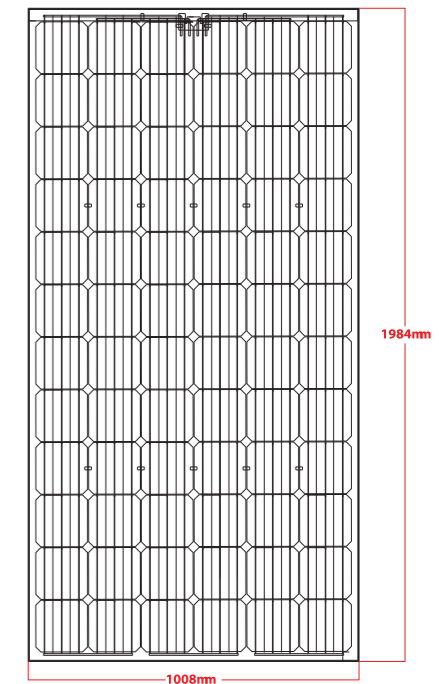
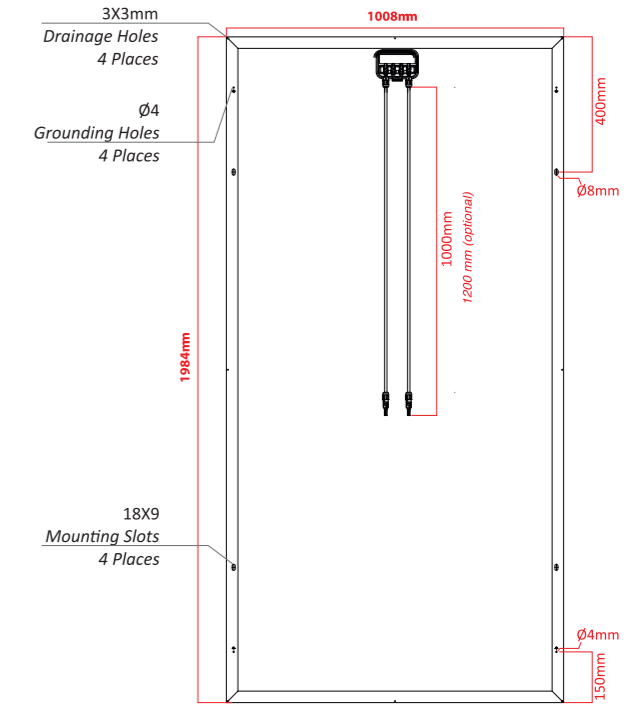
Mounting Slot

Frame

Frame



FRAME CAN BE MANUFACTURED WITH TWO DIFFERENT MEASUREMENT OPTIONS.



### Electrical Data

	MODEL	A3S72M 390	A3S72M 395	A3S72M 400
<b>P<sub>max</sub></b>	Maximum Power	390	395	400
<b>%</b>	Module Efficiency	19,50	19,75	20,00
<b>I<sub>mp</sub> (A)</b>	Maximum Power Current	9,57	9,67	9,73
<b>I<sub>sc</sub> (A)</b>	Short Circuit Current	10,27	10,29	10,31
<b>V<sub>mp</sub> (V)</b>	Maximum Power Voltage	40,77	41,01	41,12
<b>V<sub>oc</sub> (V)</b>	Open Circuit Voltage	49,03	49,10	49,17

### Technical Specifications

### Mechanical Data

Subject	Specification
Dimensions	1984 ± 2 mm (L) x 1008 ± 2 mm (W) x 42 ± 0,5 mm (D)
Weight	24 Kg
Solar Cell	72 Monocrystalline Perc Type 6" Silicon Cells (158.75 mm x 158.75 mm)
Front Glass	Tempered / Tempered ARC Glass
Encapsulant	Ethylene Vinyl Acetate (EVA)
Backsheet	Composite Film, Color White
Junction Box	Tyco / Ekinler Certificate
Frame	Aluminium Frame (Eloxal Coating)

### Operating Conditions

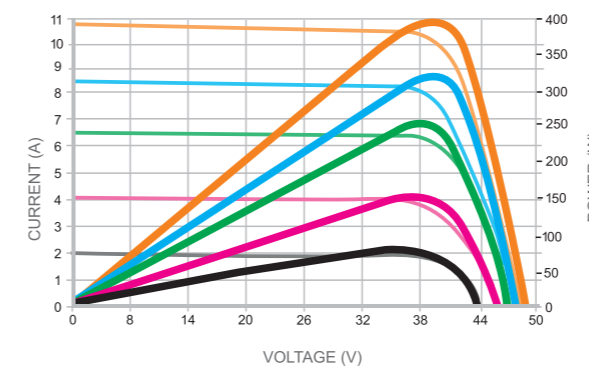
Subject	Specification
Mechanical Strength	5400 Pa (Certified By KIWA MEYER)
Maximum System Voltage	DC 1000 V / 1500 V
Series Fuse Rating	15 A
Operating Temperature	-40 to 85 °C

### Temperature Characteristics

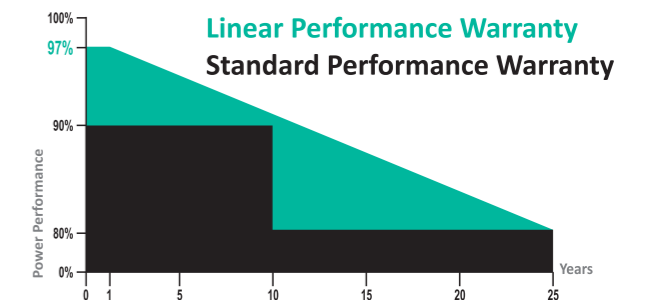
Subject	Specification
Nominal Operating Cell Temperature	44 °C ± 2 °C
Temperature Coefficient of P <sub>mp</sub>	-0,37 % / °C
Temperature Coefficient of I <sub>sc</sub>	+0,07 % / °C
Temperature Coefficient of V <sub>oc</sub>	-0,31 % / °C

### 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



The typical relative change in module efficiency at irradiance of 200 W/m<sup>2</sup> in relation to 1000 W/m<sup>2</sup> (both at 25 °C and AM 1.5 spectrum) is less than 3 %.



**Electroluminescence:** Quality control for small microcracks with infrared radiation.



**Sun Simulator:** 1000 W/m<sup>2</sup> 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



**Potential Induced Degradation:** PID Resistance according to IEC 62804



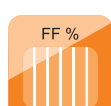
**Wind Load Test:** Under 2400Pa wind load resistance according to IEC 61215



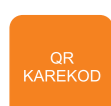
**Thermal Cycles Damp Heat Test:** 1000 hours damp heat and 200 thermal cycles according to IEC 61215



**High Performance in Low Radiation :** On cloudy days, morning and evening over %3 performance (200 w/m<sup>2</sup>)



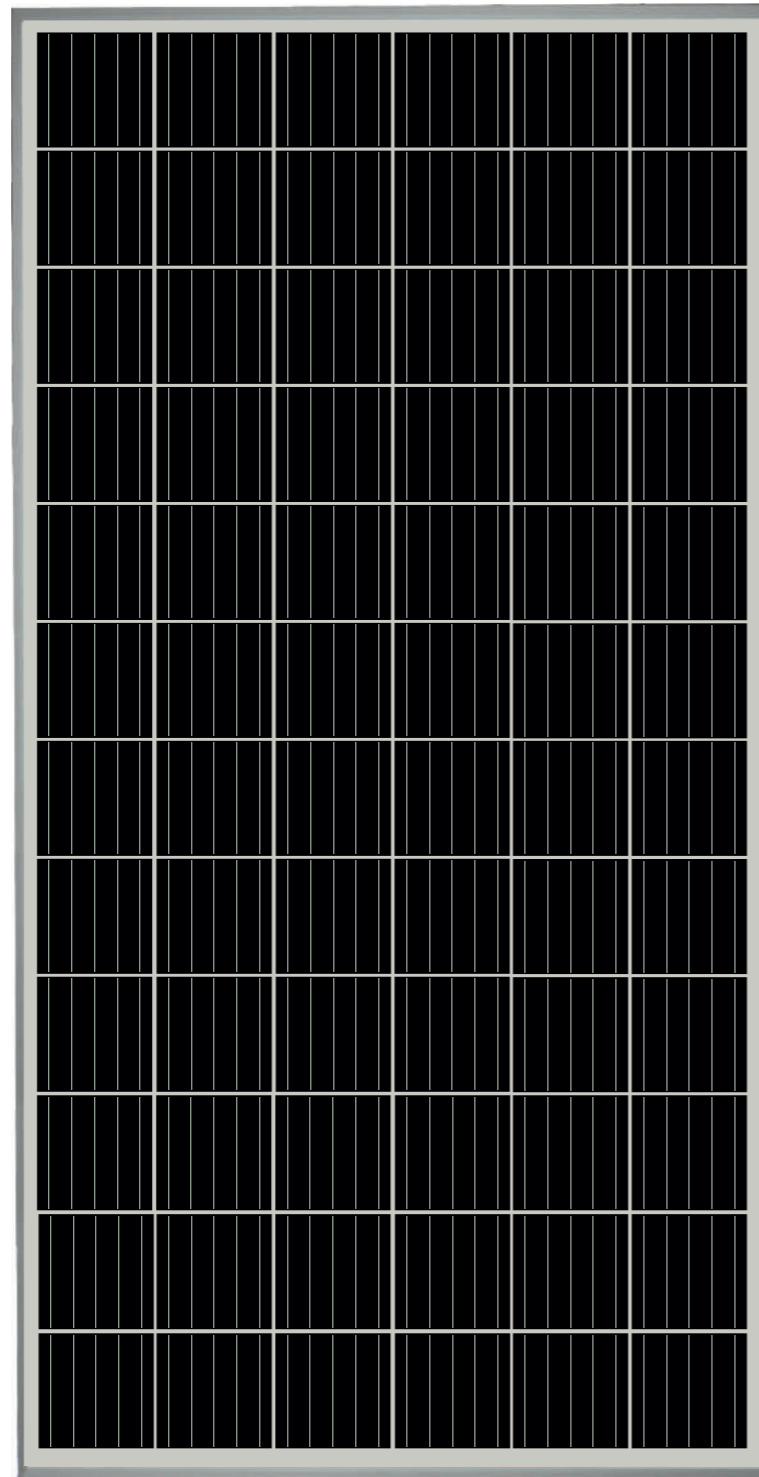
**Fill Factor:** High Fill Factor value, increased power.  
**Cell Power:** Five bus bar, with high power.



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



**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 45001
- IEC 61215-1
- IEC 61215-1-1
- IEC 61215-2
- IEC 61730-1
- IEC 61730-2
- IEC 61701
- IEC 62804
- IEC 62716
- OHSAS 45001

"LOCAL ITEM" MENTIONED  
IN NUMBER 5346 YEK LAW



TUV AAA+ SIMULATOR  
DOMESTIC QR CODE