

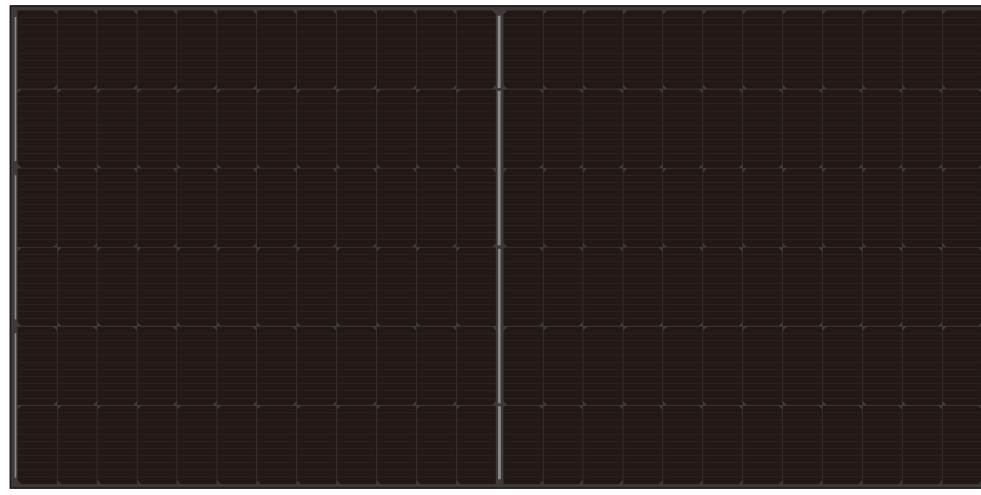
- Electroluminescence:** Quality control for small microcracks with infrared radiation.
- Sun Simulator:** 1000 W/m² radiation, 25 °C temperature, ±5% positive power fluctuation according to power tolerance.
- Sun Mist Test:** According to IEC 61701 and 2 Salt Resistance.
- Snow Load Test:** Under 5400 Pa snow load resistance according to IEC 61215.
- Ammonia Corrosion Test:** Corrosion resistance according to IEC 62804.
- Potential Induced Degradation:** PID Resistance according to IEC 62804.
- Wind Load Test:** Under 2400 Pa wind load resistance according to IEC 61215.
- Thermal Cycles Damp Heat Test:** 1000 cycles according to IEC 61215.
- High Performance in Low Radiation:** One case, 40% increase in power during low light performance (200 W/m²).
- Fill Factor:** High Fill Factor value, increased Cell Power: Ten 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 and delivery of high quality panels and warranty of selling production in that are produced in last one year.

TUV AAA+ SIMULATOR WITH QR KOD ONLINE DATASHEET

- ISO 9001
- IEC 61215-1
- IEC 61730-1
- IEC 62804
- ISO 14001
- IEC 61215-1-1
- IEC 61730-2
- IEC 62716
- ISO 45001
- IEC 61215-2
- IEC 61701
- OHSAS 45001

"LOCAL ITEM" MENTIONED IN NUMBER 5346 YEK LAW

turkey
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Technical Specifications

MODEL	A10S144M-535	A10S144M-540	A10S144M-545	A10S144M-550
Maximum Power	535	540	545	550
Module Efficiency	20.59	20.79	20.98	21.17
Maximum Power Current	12.85	12.92	12.96	12.97
Short Circuit Current	13.56	13.58	13.70	13.71
Maximum Power Voltage	41.91	42.06	42.13	42.55
Open Circuit Voltage	49.11	49.25	49.33	49.82

Subject	Specification
Dimensions	2295 ± 2 mm (L) x 1132 ± 2 mm (W) x 42 ± 0.5 mm (D)
Weight	29 Kg
Solar Cell	144 Monocrystalline PERC Silicon Cells (182 mm x 91 mm)
Front Glass	Tempered / Tempered ARC Glass
Encapsulant	Ethylene Vinyl Acetate (EVA)
Backsheet	Composite Film Color Black
Junction Box	Renhe / Etrifler Certificate
Cable Length	1.3 Ml
Frame	Aluminum Frame (Eboxal Coating)

Subject	Specification
Mechanical Strength	5400 Pa Snow and 2400 Pa Wind Test Load (Safety F: 1.5 Certified TSE)
Maximum System Voltage	DC 1500 V
Series Fuse Rating	20 A
Operating Temperature	-40 to 85 °C

Subject	Specification
Nominal Operating Cell Temperature	41.2 °C ± 2 °C
Temperature Coefficient of Pmp	-0.311 % / °C
Temperature Coefficient of Isc	+0.040 % / °C
Temperature Coefficient of Voc	-0.237 % / °C

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

