

POWER OUTPUT RANGE 280 W / 230W

POWER TOLERANCE 0-5 W

No Glass.
No Frame.
Just Pure Power.



www.ankarasolar.com.tr

ULTRA-LIGHT FLEXIBLE SOLAR MODULE

280 Watt

230 Watt

Monocrystalline Module



Ultra-light: The glass-free module weighs just 3,5 kg, making it 73% lighter than conventional glass modules. Customizable in terms of size, shape, color, output power.



Fast and Easy Installation: Thanks to the “Quick-Bonding” installation method, Ultra-Light can be mounted without roof penetration—significantly reducing installation time and labor costs.



Safety: It seamlessly integrates with the underlying surface, ensuring excellent waterproofing and maintaining the roof's structural safety.



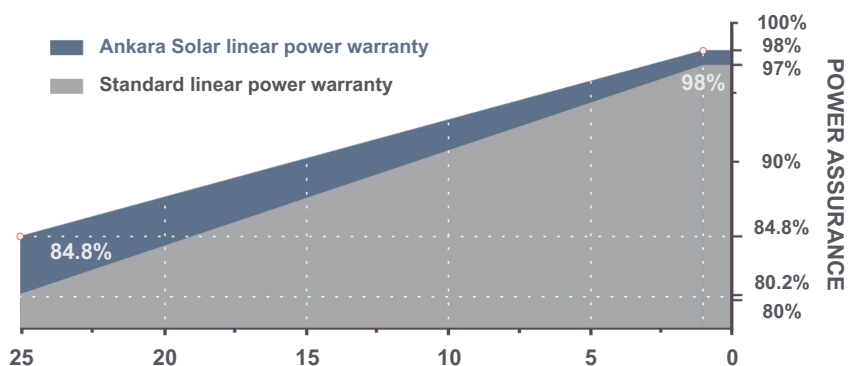
Durable: Ultra-Light is the first glassless and framless module to pass the same rigorous durability tests as traditional glass modules, including IEC 61215, IEC 61730, and UL 61730.



MADE IN
TÜRKİYE



98% of the nominal power output in the first year. From year two (2) to year twenty-five (25), the maximum annual degradation is 0.55%, ending with 84.8% of the nominal output by the 25th year. Please read the installation manual carefully before using this product. Specifications provided in this datasheet are subject to change without prior notice.

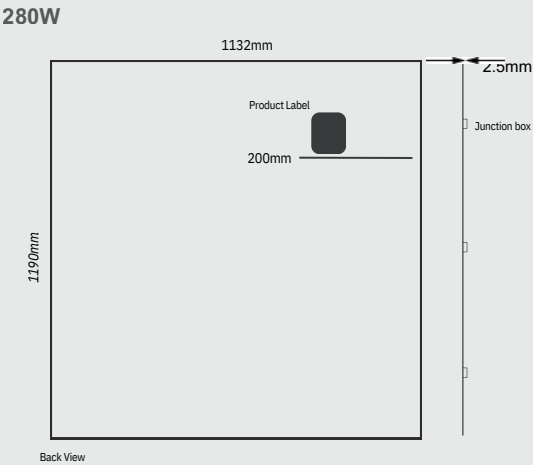


Flex Your Power — Ultra-Light Solar from 100W Up.

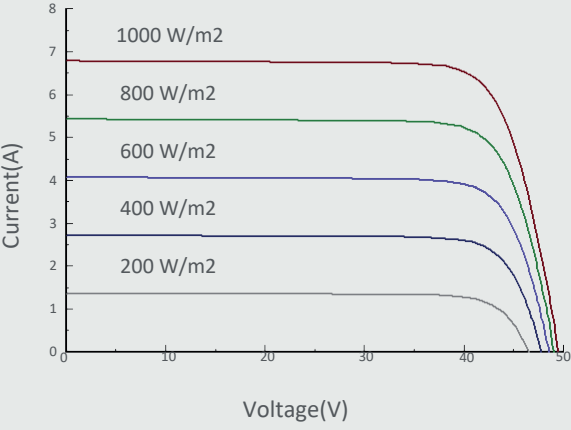
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Ultra-Light.
Ultra-Flexible.

DIMENSIONS



I-V CURVE



TEMPERATURE CHARACTERISTICS

Nominal Module Operating Temperature(NMOT)	41±2°C
Temperature Coefficient of P_{max}	-0.34 %/°C
Temperature Coefficient of V_{oc}	-0.26 %/°C
Temperature Coefficient of I_{sc}	0.033 %/°C



ULTRA-LIGHT
FLEXIBLE SOLAR MODULE

ELECTRICAL CHARACTERISTICS

STC	AS-MQ6 280W
Maximum Power (P_{max})	280 W
Maximum Power Voltage (V_{mp})	41.70 V
Maximum Power Current (I_{mp})	6.72 A
Open-circuit Voltage (V_{oc})	49.4 V
Short-circuit Current (I_{sc})	6.81 A
Module Efficiency (%)	20,80

STC	AS-MQ6 230W
Maximum Power (P_{max})	230 W
Maximum Power Voltage (V_{mp})	34.9 V
Maximum Power Current (I_{mp})	6.61 A
Open-circuit Voltage (V_{oc})	41.1 V
Short-circuit Current (I_{sc})	6.72 A
Module Efficiency (%)	20,10

STC: Irradiance 1000W/m2 , Cell temperature 25°C, AM1.5; Tolerance of P_{max} : ±6%

Operating Temperature	-40 °C to 70 °C
Maximum System Voltage	1500 V DC (IEC)
Maximum Series Fuse Rating	25 A
Safety Class	Class II
Power Tolerance	0 - 5 W

MECHANICAL CHARACTERISTICS

Solar Cell	Monocrystalline (182x91mm Half Cell)
No. of Cells	72 (6×12)
280W Module Dimensions	1190×1132×2,5 mm (±5%)
Weight	4.0kg (±5%)

No. of Cells	60 (6×10)
230W Module Dimensions	1010×1132×2,5 mm (±5%)
Weight	3.5kg (±5%)
Backsheet	White or Black
Frame	Frameless
J-box	IP 68
Output Cables	4.0 mm 2 , (+)400 / (-)400 mm
Connector	Stäubli MC4-Evo 2