

# ULTRA-LIGHT FLEXIBLE SOLAR MODULE

180 Watt

150 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.

POWER OUTPUT RANGE 180 W / 150W

POWER TOLERANCE 0-5 W



MADE IN  
TÜRKİYE

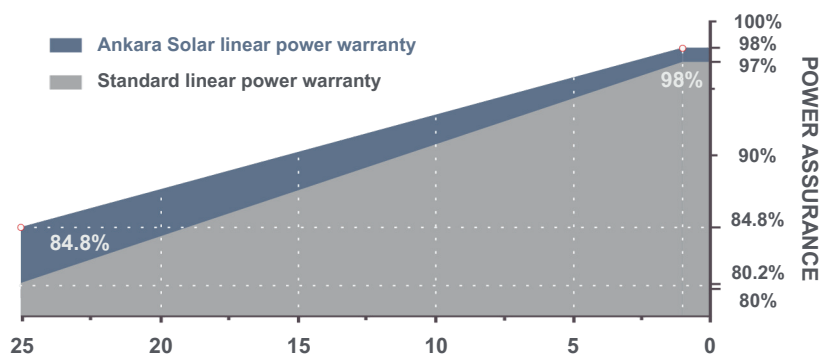


No Glass.  
No Frame.  
Just Pure Power.



[www.ankarasolar.com.tr](http://www.ankarasolar.com.tr)

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.



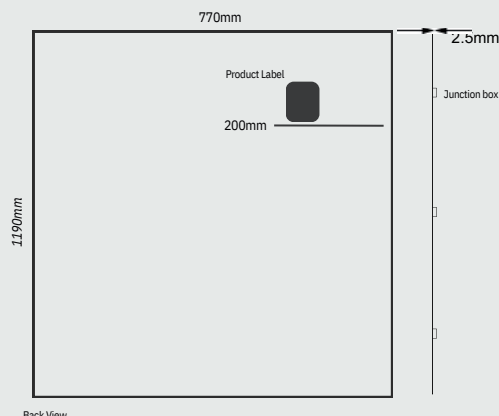
Flex Your Power — Ultra-Light Solar from 100W Up.

© 2025 Ankara Solar. All rights reserved.

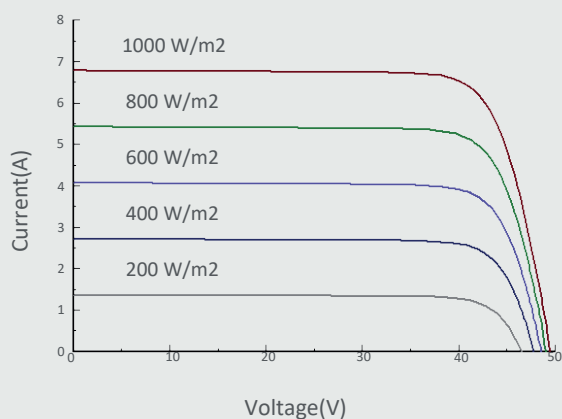
Ultra-Light.  
Ultra-Flexible.

## DIMENSIONS

180W



## 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

### 180W

AS-MQ6 180W

Maximum Power ( $P_{max}$ )	180 W
Maximum Power Voltage ( $V_{mp}$ )	28.20 V
Maximum Power Current ( $I_{mp}$ )	6.29 A
Open-circuit Voltage ( $V_{oc}$ )	32.4 V
Short-circuit Current ( $I_{sc}$ )	6.48 A
Module Efficiency (%)	20,80

### 150W

AS-MQ6 150W

Maximum Power ( $P_{max}$ )	150 W
Maximum Power Voltage ( $V_{mp}$ )	24.20 V
Maximum Power Current ( $I_{mp}$ )	6.22 A
Open-circuit Voltage ( $V_{oc}$ )	28.20 V
Short-circuit Current ( $I_{sc}$ )	6.28 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	48 (4×12)
Module Dimensions	1190×770×2,5 mm (±5%)
Weight	3.0kg (±5%)
No. of Cells	40 (4×10)
Module Dimensions	1010×770×2,5 mm (±5%)
Weight	2.5kg (±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