

AK430

MONOCRISTALLINE MODULE 430 Watt / 144 Half Cells



KEY FEATURES:



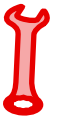
Ultra-light:

Glass free module weighs 7.2 kg (3,2kg/m²), 70% lighter than conventional glass modules.



Flexible:

Combines unique and patented materials assembled with flexible crystalline silicon. Possibility installation on curved surfaces.



Fast installation:

Through "Quick-Bonding" installation, AK430 requires no penetration, reduces time on roof by 40% and eliminates the use of mounting hardware.



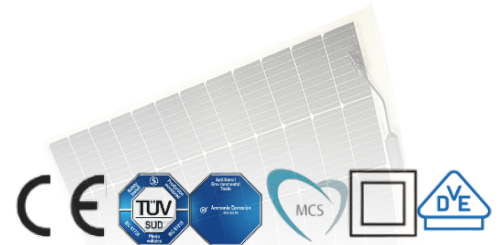
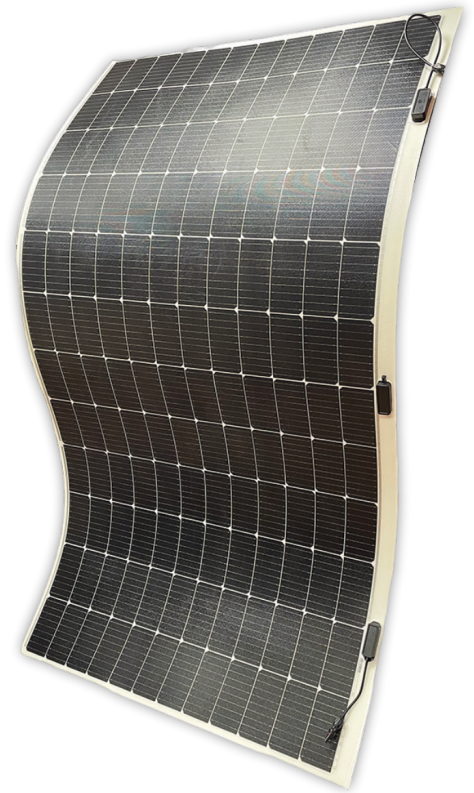
Wind Proof:

The system resists winds constant between 185 and 239 km/h in all directions and inclinations and without parapets.



Durable:

AJC-720995 is the first glassless module to pass the same durability test as conventional glass modules, including: IEC61215:2016, IEC61730:2016, IEC61701, IEC62716, IEC62804-1, UL 1703 (USA) and AJC -720995 passed PID, salt mist and ammonia corrosion tests.



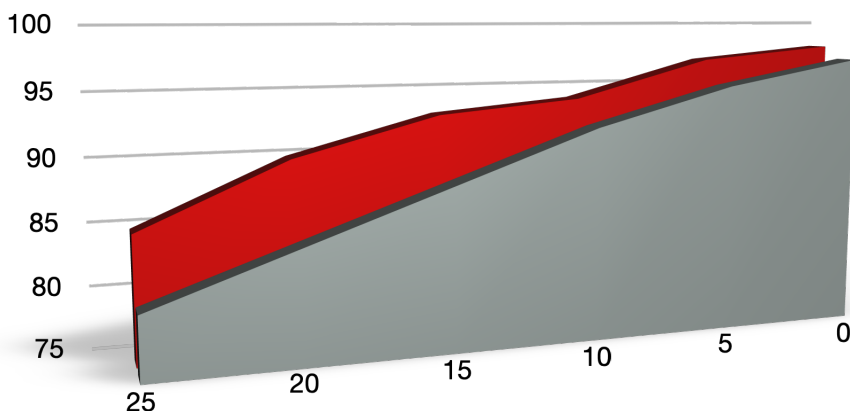
Power Output Range 425~430 W - Power Tolerance 0-5 W

LINEAR PERFORMANCE WARRANTY:

CAUTION: Read installation manual before using the product.

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■ Standard linear power warranty ■ AK430 linear power warranty

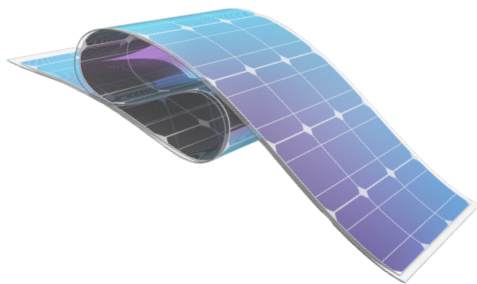


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YEAR PRODUCT WARRANTY

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YEAR LINEAR POWER WARRANTY



ELECTRICAL CHARACTERISTICS

STC	AJC-720995-425	AJC-720995-430
Maximum Power (Pmax)	425	430
Maximum Power Voltage (Vmp)	41.8	42
Maximum Power Current (Imp)	10.17	10.24
Open-circuit Voltage (Voc)	49.6	49.8
Short-circuit Current (Isc)	10.67	10.74
Module Efficiency (%)	19.1	19.3
Operating Temperature	-40°C to 85°C	
Maximum System Voltage	1 500 V DC (IEC)	
Maximum Series Fuse Rating	20 A	
Application Class	CLASS A	
Power Tolerance	0/+5 W	
STC: irradiance 1000W/m ² , Cell temperature 25 C, AM= 1.5. Tolerances of Pmax, Voc and Isc are within ±5%		
NMOT	AJC-720995-425	AJC-720995-430
Maximum Power (Pmax)	321.4	325.1
Maximum Power Voltage (Vmp)	38.6	38.8
Maximum Power Current (Imp)	8.33	8.38
Open-circuit Voltage (Voc)	46.6	46.8
Short-circuit Current (Isc)	8.64	8.69
NMOT: Irradiance 800W/m ² , Ambient temperature 20°C, Am=1.5, Wind speed 1 m/s		

MECHANICAL CHARACTERISTICS

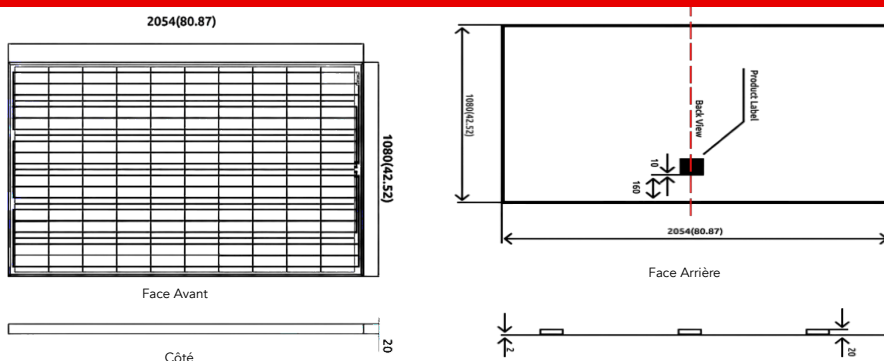
Solar Cell	Monocrystalline silicon (166mm half cell)
No. of Cells	144 (12x12)
Module Dimensions	2054x1084x2 mm
Weight	7.2kg
Backsheet	White
Frame	Frameless
J-box	IP 68 rated
Output Cables	Photovoltaic technology cable 4.0 mm 2 , (+)450 / (-)450 mm
Connector	MC4 compatible

TEMPERATURES:

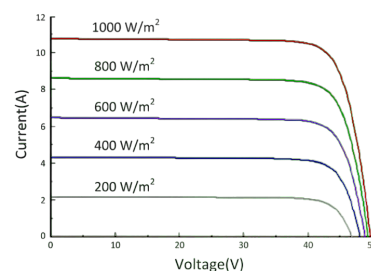
Nominal Module Operating Temperature (NMOT)	41±2 C
Temperature Coefficient of Pmax	-0.38 % / C
Temperature Coefficient of Voc	-0.28 % / C
Temperature Coefficient of Isc	-0.020 % / C



DIMENSIONS:



ELECTRICAL



Curve current - voltage