

Superior Solar PV Modules - Dependable British Brand - 30 Year British Warranty



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Model: AS-S108-M10N-435-TIG

POWER OUTPUT

435W Mono Black Tigo Optimised TOPCon

Half cut cell technology can reduce the internal power loss and improve component overall power. Excellent heat dissipation avoids hot spot production

Designed for high voltage systems of up to 1500 VDC, increasing the string length of solar systems and saving on BoS costs

Microcrack resistant double glass structure enhances reliability, triple EL tested for high quality control

Tigo optimiser built-in
Reduces shading losses
Rapid shutdown*
Online monitoring*
Enhanced DC safety*
Predictive Technology

Advanced surface treatment, lower surface reflection and 5BB cell design can reduce the series resistance

Positive tolerance
0/+5w guaranteed

- N-Type TOPCon cell
Ofgem IM approved
- Module Efficiency: 22.3%
- No. of Cells: 108 (2 x 54)
- Weight: 22.1kg
- Dimensions: 1724mm x 1134mm x 30mm
- Monocrystalline 182x182mm
- Tigo TS4-A-0 optimiser built-in



Tigo®



* Some Tigo functions are only unlocked when connected to the Internet using the Tigo CCA and TAP optional accessories.

30 YEAR
EUROPEAN
PERFORMANCE
WARRANTY



12 YEAR
PRODUCT
WARRANTY

* Specifications are subject to change without further notification

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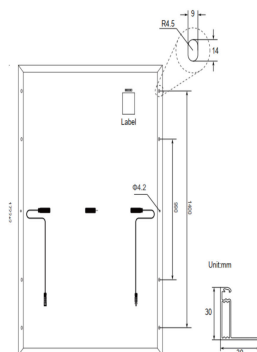
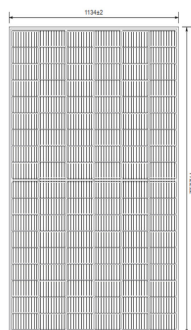
Tier One Factory Produced

435W Optimised All Black

Model: AS-S108-M10N-435-TIG

Tigo[®]

ENGINEERING DRAWING



ELECTRICAL CHARACTERISTICS

Module	AS108-M10N-435-TIG	
Maximum Power at STC (Pmax)	435W	
Open-Circuit Voltage (Voc)	39.3V	
Short-Circuit Current (Isc)	14.10A	
Optimum Operating Voltage (Vmp)	32.7V	
Optimum Operating Current (Imp)	13.31A	
Module Efficiency	22.3%	
Power Tolerance	0 ~ +5W	
Maximum System Voltage	1500V DC (IEC)	
Maximum Series Fuse Rating	25A	
Operating Temperature	-42°C +2 oC	

*STC: Irradiance 1000W/m², module temperature 25, AM=1.5
Optional black frame or white frame module according to customer requirements

NOCT

Module	AS108-M10N-435-TIG	
Maximum Power	333 W	
Open Circuit Voltage (Voc)	37.2V	
Short Circuit Current (Isc)	11.41A	
Maximum Power Voltage (Vmp)	30.8 V	
Maximum Circuit Current (Imp)	10.82A	
NOCT	42±2°C	

*NOCT: Irradiance 800W/m², ambient temperature 20

MECHANICAL CHARACTERISTICS

Solar Cells	Mono crystalline 182*91mm N-Type TOPCon
No. of Cells	108 (6x18)
Dimensions	1724mm x 1134mm x 30mm
Weight	21 kg
Front Glass	High transmission tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68 3 diodes
Cable	4mm ² (IEC) x 350mm
Optimisation	Tigo AS4-A-O unit built-in
Packaging Configuration	36pcs / box, 936pcs / 40'HQ Container

**UK
CA**

12
Years

Materials and
workmanship warranty

30
Years

Linear power
warranty

TEMPERATURE CHARACTERISTICS

Temperature Coefficient of Pmax	γ (Pm)	-0.36%/K
Temperature Coefficient of Voc	β (Voc)	-0.304%/K
Temperature Coefficient of Isc	α (Isc)	0.050%/K