

410~430W

AS410-430M10-108BM **TOPCON**

FULL BLACK BIFACIAL MONO

MORE POWER

430W Module power up to 430W
Module efficiency up to 22.02 %

\$ Up to 8.9 % lower LCOE
Up to 4.6 % lower system cost

↑ Comprehensive LID /LeTID mitigation technology, up to 50% lower degradation

+ Compatible with mainstream trackers, cost effective product for utility power plant

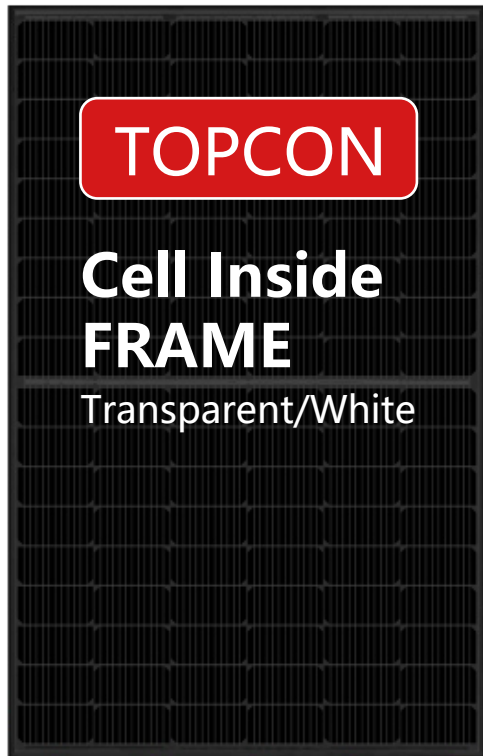
☁ Better shading tolerance

MORE RELIABLE

🌡 40 °C lower hot spot temperature, greatly reduce module failure rate

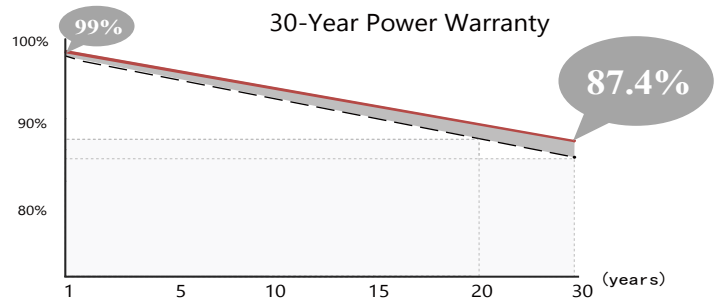
🛡 Minimizes micro-crack impacts

******* Heavy snow load up to 5400 Pa, wind load up to 2400 Pa



ADDITIONAL VALUE

30-Year Power Warranty



12 12-year Warranty for Materials and Processing

30 30-year Warranty for Extra Linear Power Output



AS410-430M10-108BM

410-430W

Half-Cell High Efficiency PV Module

Weight

23.5kgs±3%

Cells Type

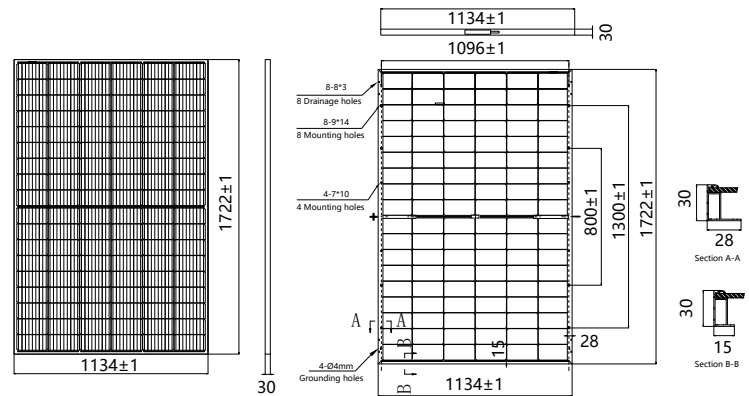
Mono 182x91mm

Dimension(LxWxT)

1722±2mmx1134±2mmx30±1mm

Packaging

**36pcs/pallet, 216pcs/20GQ container;
36pcs/pallet, 936pcs/40HQ container**



Remark: customized frame color and cable length available upon request

MECHANICAL SPECIFICATION

Cell	Mono
No.of cells	108(6x18)
Cable Length	300mm(+)/300mm(-)
Cable Cross Section Size	4mm ² (IEC)
Junction Box	IP68
Connector	MC4 Compatible

OPERATING PARAMETERS

Maximum System Voltage	1500VDC
Operating Temperature	-40°C~+85°C
Maximum Series Fuse	30A
Maximum StaticLoad,Front	5400Pa(112lb/ft ²)
Maximum StaticLoad,Back	2400Pa(50lb/ft ²)
Safety Class	Class II

ELECTRICAL CHARACTERISTICS

STC:AM1.5 1000W/m² 25°C NOCT:AM1.5 800W/m² 20°C 1m/s Test uncertainty for Pmax ±3%

Module Type	AS410M10-108BM	AS415M10-108BM	AS420M10-108BM	AS425M10-108BM	AS430M10-108BM
Testing Condition	STC	STC	STC	STC	STC
Maximum Power(Pmax/W)	410	415	420	425	430
Open Circuit Voltage(Voc/V)	38.01	38.25	38.49	38.73	38.96
Short Circuit Current(Isc/A)	13.85	13.92	13.99	14.06	14.13
Voltage at Maximum Power(Vmp/V)	31.20	31.42	31.63	31.84	32.04
Current at Maximum Power(Imp/A)	13.14	13.21	13.28	13.35	13.42
Module Efficiency(%)	21.00	21.25	21.51	21.76	22.02

Electrical Characteristics Side Power Gain

	413	436	441	446	452
5% Maximum power (W)					
Module efficiency STC (%)	22.05%	22.31%	22.58%	22.85%	23.12%
15% Maximum power (Total)	472	477	483	489	495
Module efficiency STC (%)	24.15%	24.44%	24.73%	25.03%	25.32%
25% Maximum power (Total)	513	519	525	531	538
Module efficiency STC (%)	26.25%	26.57%	26.89%	27.21%	27.53%

TEMPERATURE RATINGS

Normal Operating Cell Temperature(NOCT)	45±2°C
Temperature Coefficient of Isc	+0.045%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Pmax	-0.29%/°C

I-V CURVE(AS410-430M10-108BM)

