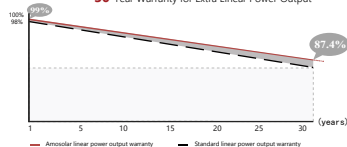


# 410~430W

AS410-430M10-108 Bifacial

15-Year Warranty for Materials and Processing  
30-Year Warranty for Extra Linear Power Output



**W** N-TYPE TOPCON module could increase power generation by 3%+ per watt compared with PERC

**HIGHER** power output  
Bifacial module back-side power increase 5-25%

**COMPATIBLE** with mainstream trackers  
effective product for utility power plant

**Lower degradation rate, BETTER** shading tolerance  
First-year  $\leq 1\%$ , 2-30 year  $\leq 0.4\%$

**LOWER Temp. COEFFICIENT**  
More power generation under high-temperature

## 410-430W

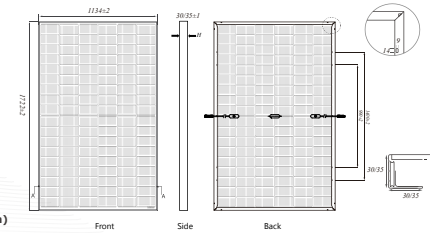
Bifacial Half-Cell PV Module

**Weight**  
24.2kgs $\pm 3\%$

**Cells Type**  
Mono 182x91mm

**Dimension(LxWxT)**  
1722 $\pm 2$ mmx1134 $\pm 2$ mmx30/35 $\pm 1$ mm

**Packaging**  
36pcs/pallet, 360pcs/20GP;936pcs/40HQ(30mm)  
31pcs/pallet, 306pcs/20GP;806pcs/40HQ(35mm)



Remark: customized frame color and cable length available upon request

### MECHANICAL SPECIFICATION

Cell	N-type TOPCon Mono
No. of cells	108(6x18)
Cable Length	300mm(+/-300mm(-))
Cable Cross Section Size	4mm <sup>2</sup> (IEC)
Junction Box	IP68
Connector	MCA Compatible

### OPERATING PARAMETERS

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

### ELECTRICAL CHARACTERISTICS

STC:AM1.5 1000W/m<sup>2</sup> 25°C NOCT:AM1.5 800W/m<sup>2</sup> 20°C 1m/s Test uncertainty for Pmax  $\pm 3\%$

Module Type	AS410M10-108		AS415M10-108		AS420M10-108		AS425M10-108		AS430M10-108	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax/W)	410	313.5	415	317.3	420	321.1	425	325.0	430	328.7
Open Circuit Voltage(Voc/V)	38.01	36.30	38.25	36.40	38.49	36.50	38.73	36.60	38.96	36.80
Short Circuit Current(Isc/A)	13.85	11.23	13.92	11.30	13.99	11.36	14.06	11.42	14.13	11.49
Voltage at Maximum Power(Vmp/V)	31.20	29.60	31.42	29.70	31.63	29.90	31.84	30.00	32.04	30.20
Current at Maximum Power(Imp/A)	13.14	10.60	13.21	10.68	13.28	10.75	13.35	10.82	13.42	10.89
Module Efficiency(%)	21.00		21.25		21.51		21.76		22.02	

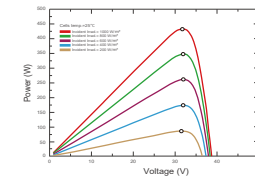
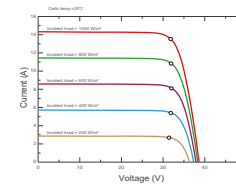
### ELECTRICAL CHARACTERISTICS SIDE POWER GAIN

Power Gain (%)	431	436	441	446	452
Maximum power (W)	431	436	441	446	452
Module efficiency STC (%)	22.0%	22.3%	22.6%	22.9%	23.1%
Maximum power (Total)	472	477	483	489	495
Module efficiency STC (%)	24.1%	24.4%	24.7%	25.0%	25.3%
Maximum power (Total)	513	519	525	531	538
Module efficiency STC (%)	26.2%	26.6%	26.9%	27.2%	27.5%

### TEMPERATURE RATINGS

Nominal Operating Cell Temperature(NOCT)	45 $\pm 2$ °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(AS410-430M10-108)



\*Specs are subject to change without further notification

