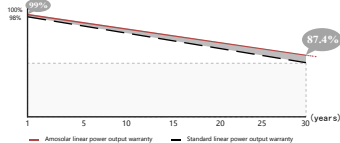


465~490W

AS465-490M10-120 Bifacial

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



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



LOWER DEGRADATION RATE

First-year ≤1%, 2-30 year ≤0.4%



COMPATIBLE with mainstream trackers effective product for utility power plant



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



LOWER Temp. COEFFICIENT

More power generation under high-temperature

465-490W

Bifacial Half-Cell PV Module

Weight

26.3kgs±3%

Cells Type

Mono 182x91mm

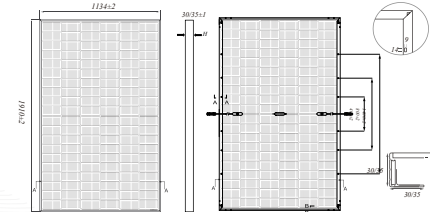
Dimension(LxWxT)

1910±2mmx1134±2mmx30/35±1mm

Packaging

36pcs/pallet, 360pcs/20GP;864pcs/40HQ(30mm)

31pcs/pallet, 306pcs/20GP;744pcs/40HQ(35mm)



Remark: customized frame color and cable length available upon request

MECHANICAL SPECIFICATION

Cell	N-type TOPCon Mono
No. of cells	120(6x20)
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

Module Type	STC-AM1.5 1000W/m ² 25 C		NOCT-AM1.5 800W/m ² 20 C		1m/s Test uncertainty for Pmax ±3%	
	AS465M10-120	AS470M10-120	AS475M10-120	AS480M10-120	AS485M10-120	AS490M10-120
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax/W)	465	355.3	470	359.1	475	362.9
Open Circuit Voltage(Voc/V)	43.84	37.50	43.96	37.60	44.08	37.70
Short Circuit Current(Isc/A)	13.48	11.91	13.54	11.97	13.60	12.03
Voltage at Maximum Power(Vmp/V)	35.70	31.60	35.90	31.80	36.10	32.00
Current at Maximum Power(Imp/A)	13.03	11.38	13.10	11.45	13.16	11.52
Module Efficiency(%)	21.47		21.70		21.93	
					22.16	
					22.39	
					22.62	

ELECTRICAL CHARACTERISTICS SIDE POWER GAIN

Side Power Gain (%)	488	494	499	504	509	515
5%	22.5%	22.8%	23.0%	23.3%	23.5%	23.8%
15%	535	541	546	552	558	564
Module efficiency STC (%)	24.7%	25.0%	25.2%	25.5%	25.8%	26.0%
25%	581	588	594	600	606	613
Module efficiency STC (%)	26.8%	27.1%	27.4%	27.7%	28.0%	28.3%

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

*Specs are subject to change without further notification

I-V CURVE(AS465-490M10-120)

