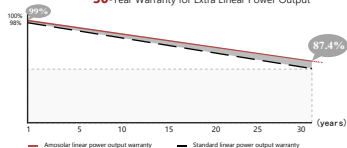


560~590W

AS560-590M10-144 **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



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



COMPATIBLE with mainstream trackers
effective product for utility power plant



BETTER shading tolerance
Excellent performance under dim light



LOWER Temp. COEFFICIENT
More power generation under high-temperature

560-590W

Bifacial Half-Cell PV Module

Weight

32.3kgs±3%

Cells Type

Mono 182x91mm

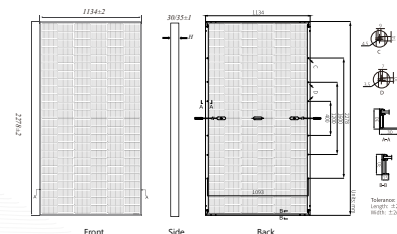
Dimension(LxWxT)

2278±2mmx1134±2mmx30/35±1mm

Packaging

36pcs/pallet, 720pcs/40HQ container(30mm)

31pcs/pallet, 620pcs/40HQ container(35mm)



Remark: customized frame color and cable length available upon request

MECHANICAL SPECIFICATION

Cell	N-type TOPCon Mono
No.of cells	144(6x24)
Cable Length	±300mm/±1200mm(length can be customized)
Cable Cross Section Size	4mm ² (IEC)
Junction Box	IP68,3 diodes
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	AS560M10-144		AS565M10-144		AS570M10-144		AS575M10-144		AS580M10-144		AS585M10-144		AS590M10-144	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax/W)	560	426.3	565	430.1	570	433.9	575	437.7	580	441.5	585	445.3	590	449.1
Open Circuit Voltage(Voc/V)	50.99	48.46	51.09	48.55	51.19	48.65	51.30	48.75	51.41	48.86	51.52	48.96	51.63	49.07
Short Circuit Current(Isc/A)	13.89	11.16	13.97	11.22	14.05	11.29	14.14	11.35	14.22	11.42	14.30	11.48	14.38	11.55
Voltage at Maximum Power(Vmp/V)	42.82	40.69	42.91	40.78	43.00	40.87	43.11	40.97	43.22	41.07	43.33	41.18	43.44	41.28
Current at Maximum Power(Imp/A)	13.08	10.48	13.17	10.55	13.26	10.62	13.34	10.68	13.42	10.75	13.51	10.82	13.59	10.89
Module Efficiency(%)	21.68		21.87		22.07		22.26		22.45		22.65		22.84	

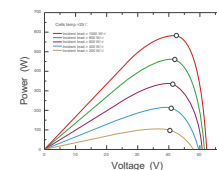
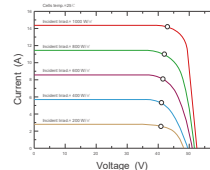
ELECTRICAL CHARACTERISTICS SIDE POWER GAIN

Maximum power (W)	588	593	599	604	609	614	620
Module efficiency STC (%)	22.8%	23.0%	23.2%	23.4%	23.6%	23.8%	24.0%
Maximum power (Total)	644	650	656	661	667	673	679
Module efficiency STC (%)	24.9%	25.2%	25.4%	25.6%	25.8%	26.0%	26.3%
Maximum power (Total)	700	706	713	719	725	731	738
Module efficiency STC (%)	27.1%	27.3%	27.6%	27.8%	28.1%	28.3%	28.5%

TEMPERATURE RATINGS

Normal Operating Cell Temperature(NOCT)	45±2°C
Temperature Coefficient of Isc	+0.045%/°C
Temperature Coefficient of Voc	-0.23%/°C
Temperature Coefficient of Pmax	-0.28%/°C

I-V CURVE(AS560-590M10-144)



*Specs are subject to change without further notification