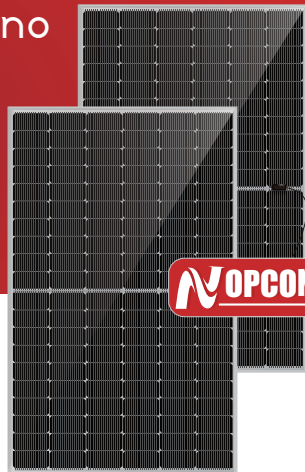


N-type TOPCon Mono

535-560W

AS535-560M10-132 Bifacial

Bifacial Half-Cell PV Module



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

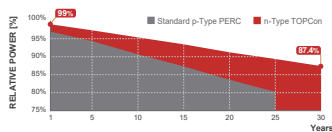


30 Year
Warranty for Solar Linear Power Output

15 Year
Warranty for Materials and Processing

0.4%
Annual degradation

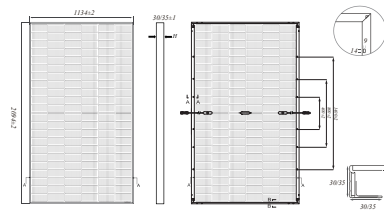
LINEAR PERFORMANCE WARRANTY



AS535-560M10-132 Bifacial Half-Cell PV Module

MECHANICAL SPECIFICATION

Cell	N-type TOPCon Mono
No. of cells	132(6x22)
Cable Length	300mm(+)/300mm(-)
Cable Cross Section Size	4mm ² (IEC)
Junction Box	IP68
Connector	MC4 Compatible
Weight	24.5kgs±3%
Cells Type	Mono 182x91mm
Dimension(LxWxT)	2094±2mmx1134±2mmx30/35±1mm
Packaging	36pcs/pallet.792pcs/40HQ container(30mm) 31pcs/pallet.682pcs/40HQ(container(35mm)



Remark: customized frame color and cable length available upon request

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	AS535M10-132	AS540M10-132	AS545M10-132	AS550M10-132	AS555M10-132	AS560M10-132
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax/W)	535	403	540	407	545	411
Open Circuit Voltage(Voc/V)	47.63	45.24	47.82	45.4	48.03	45.56
Short Circuit Current(Isc/A)	14.32	11.59	14.39	11.65	14.46	11.71
Voltage at Maximum Power(Vmp/V)	39.91	36.8	40.09	36.97	40.26	37.14
Current at Maximum Power(Imp/A)	13.43	10.97	13.50	11.03	13.61	11.08
Module Efficiency(%)	22.53	22.74	22.95	23.16	23.37	23.58

ELECTRICAL CHARACTERISTICS

OPERATING PARAMETERS

5%	Maximum power (W)	562	567	572	578	583	588	Maximum System Voltage	1500VDC
	Module efficiency STC (%)	23.7%	23.9%	24.0%	24.3%	24.6%	24.8%	Operating Temperature	-40 °C ~ +85 °C
15%	Maximum power (Total)	615	621	627	633	638	644	Maximum Series Fuse	30A
	Module efficiency STC (%)	25.9%	26.2%	26.4%	26.7%	26.9%	27.1%	Maximum StaticLoad,Front	5400Pa(112lb/ft ²)
25%	Maximum power (Total)	669	675	681	688	694	700	Maximum StaticLoad,Back	2400Pa(50lb/ft ²)
	Module efficiency STC (%)	28.2%	28.4%	28.7%	29.0%	29.2%	29.5%	Safety Class	Class II

OPERATING PARAMETERS

Nominal 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(AS535-560M10-132)

