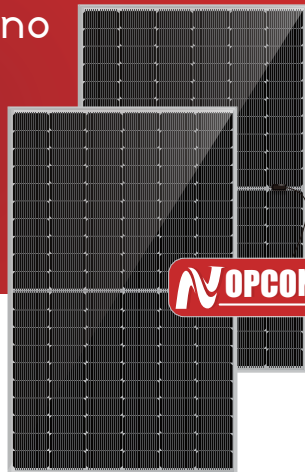


N-type TOPCon Mono

515-540W

AS515-540M10-132 Bifacial

Bifacial Half-Cell PV Module



TOPCON



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

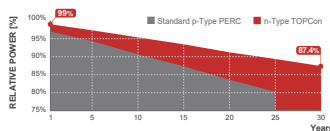


30 Year
Warranty for Solar Linear Power Output

15 Year
Warranty for Materials and Processing

0.4%
Annual degradation

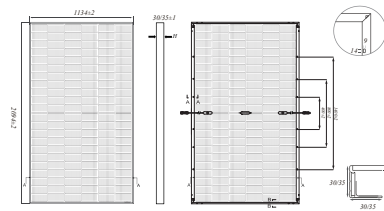
LINEAR PERFORMANCE WARRANTY



AS515-540M10-132 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	4mm²(IEC)
Junction Box	IP68
Connector	MC4 Compatible
Weight	28.5kgs±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	AS515M10-132	AS520M10-132	AS525M10-132	AS530M10-132	AS535M10-132	AS540M10-132
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax/W)	515	387	520	391	525	395
Open Circuit Voltage(Voc/V)	48.22	44.21	48.34	44.38	48.46	44.55
Short Circuit Current(Isc/A)	13.57	11.48	13.63	11.54	13.69	11.60
Voltage at Maximum Power(Vmp/V)	39.30	36.13	39.50	36.30	39.70	36.47
Current at Maximum Power(Imp/A)	13.11	10.71	13.17	10.77	13.23	10.83
Module Efficiency(%)	21.69	21.90	22.11	22.32	22.53	22.74

ELECTRICAL CHARACTERISTICS

OPERATING PARAMETERS

5%	Maximum power (W)	541	546	551	557	562	567	Maximum System Voltage	1500VDC
Module efficiency STC (%)	22.8%	23.0%	23.2%	23.4%	23.8%	24.0%		Operating Temperature	-40 °C ~ +85 °C
15%	Maximum power (Total)	592	598	604	610	615	621	Maximum Series Fuse	30A
Module efficiency STC (%)	24.9%	25.2%	25.4%	25.7%	25.9%	26.2%		Maximum StaticLoad,Front	5400Pa(112lb/ft²)
Maximum power (Total)	618	624	630	636	642	648		Maximum StaticLoad,Back	2400Pa(50lb/ft²)
25%	Module efficiency STC (%)	27.1%	27.4%	27.6%	27.9%	28.2%	28.4%	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(AS515-540M10-132)

