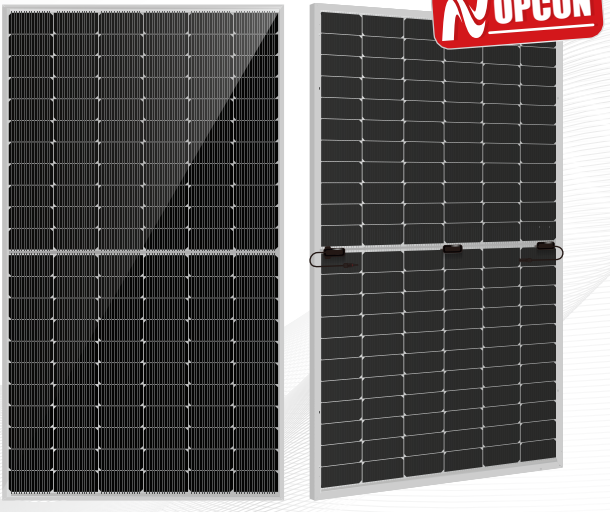
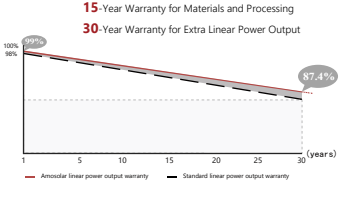
AMOSOLAR
Power your future



515~540W

AS515-540M10-132 Bifacial



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

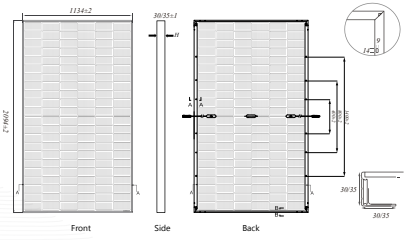
AMOSOLAR

Amosolar Co.,ltd

515-540W

Bifacial Half-Cell PV Module

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

MECHANICAL SPECIFICATION		OPERATING PARAMETERS	
Cell	N-type TOPCon Mono	Maximum System Voltage	1500VDC
No.of cells	132(6x22)	Operating Temperature	-40℃~+85℃
Cable Length	300mm(+)/300mm(-)	Maximum Series Fuse	30A
Cable Cross Section Size	4mm²(IEC)	Maximum StaticLoad,Front	5400Pa(112lb/ft²)
Junction Box	IP68	Maximum StaticLoad,Back	2400Pa(50lb/ft²)
Connector	MC4 Compatible	Safety Class	ClassⅡ

ELECTRICAL CHARACTERISTICS STC:AM1.5 1000W/m² 25℃ NOCT:AM1.5 800W/m² 20℃ 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	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax/W)	515	387	520	391	525	395	530	399	535	403	540	407
Open Circuit Voltage(Voc/V)	48.22	44.21	48.34	44.38	48.46	44.55	48.58	44.72	48.70	44.89	48.82	445.06
Short Circuit Current(Isc/A)	13.57	11.48	13.63	11.54	13.69	11.60	13.75	11.66	13.81	11.72	13.87	11.78
Voltage at Maximum Power(Vmp/V)	39.30	36.13	39.50	36.30	39.70	36.47	39.90	36.64	40.10	36.81	40.30	36.98
Current at Maximum Power(Imp/A)	13.11	10.71	13.17	10.77	13.23	10.83	13.29	10.89	13.35	10.95	13.41	11.01
Module Efficiency(%)	21.69		21.90		22.11		22.32		22.53		22.74	

ELECTRICAL CHARACTERISTICS SIDE POWER GAIN

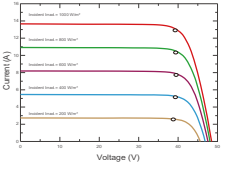
5%	Maximum power (W)	541	546	551	557	562	567
	Module efficiency STC (%)	22.8%	23.0%	23.2%	23.4%	23.8%	24.0%
15%	Maximum power (Total)	592	598	604	610	615	621
	Module efficiency STC (%)	24.9%	25.2%	25.4%	25.7%	25.9%	26.2%
25%	Maximum power (Total)	618	624	630	636	642	648
	Module efficiency STC (%)	27.1%	27.4%	27.6%	27.9%	28.2%	28.4%

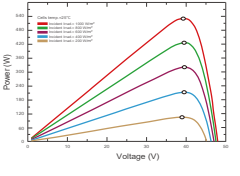
TEMPERATURE RATINGS

Norminal Operating Cell Temperature(NOCT)	45±2℃
Temperature Coefficiency of Isc	+0.045%/℃
Temperature Coefficiency of Voc	-0.25%/℃
Temperature Coefficiency of Pmax	-0.29%/℃

I-V CURVE(AS515-540M10-132)

*Specs are subject to change without further notification





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