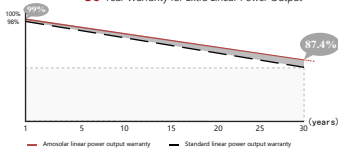


515~540W

AS515-540M10-132 Full Black

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



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

LOWER DEGRADATION RATE
First-year $\leq 1\%$, 2-30 year $\leq 0.4\%$

COMPATIBLE with mainstream trackers effective product for utility power plant

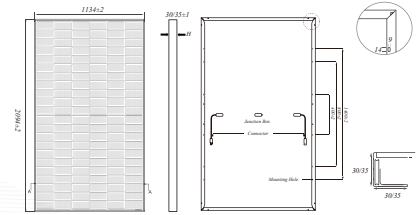
Lower degradation rate, BETTER shading tolerance
First-year $\leq 1\%$, 2-30 year $\leq 0.4\%$

LOWER Temp. COEFFICIENT
More power generation under high-temperature

515-540W

Full Black Half-Cell PV Module

Weight
24.5kgs $\pm 3\%$
Cells Type
Mono 182x91mm
Dimension(LxWxT)
2094 ± 2 mmx1134 ± 2 mmx30/35 ± 1 mm
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

| | |
|--------------------------|------------------------|
| 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 | MCA 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

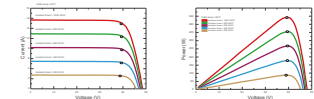
| Module Type | STC-AM1.5 1000W/m ² 25°C | | NOCT-AM1.5 800W/m ² 20°C 1m/s | | Test uncertainty for Pmax $\pm 3\%$ | |
|---------------------------------|-------------------------------------|--------------|--|--------------|-------------------------------------|--------------|
| | ASS15M10-132 | ASS20M10-132 | ASS25M10-132 | ASS30M10-132 | ASS35M10-132 | ASS40M10-132 |
| 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 |

TEMPERATURE RATINGS

| | |
|--|---------------|
| Nominal Operating Cell Temperature(NOCT) | 45 ± 2 °C |
| Temperature Coefficiency of I _{sc} | +0.045%/°C |
| Temperature Coefficiency of Voc | -0.25%/°C |
| Temperature Coefficiency of P _{max} | -0.25%/°C |

*Specs are subject to change without further notification

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



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