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550W- 580W

More power, less degradation

X MAX ES HC7-580 Bifacial

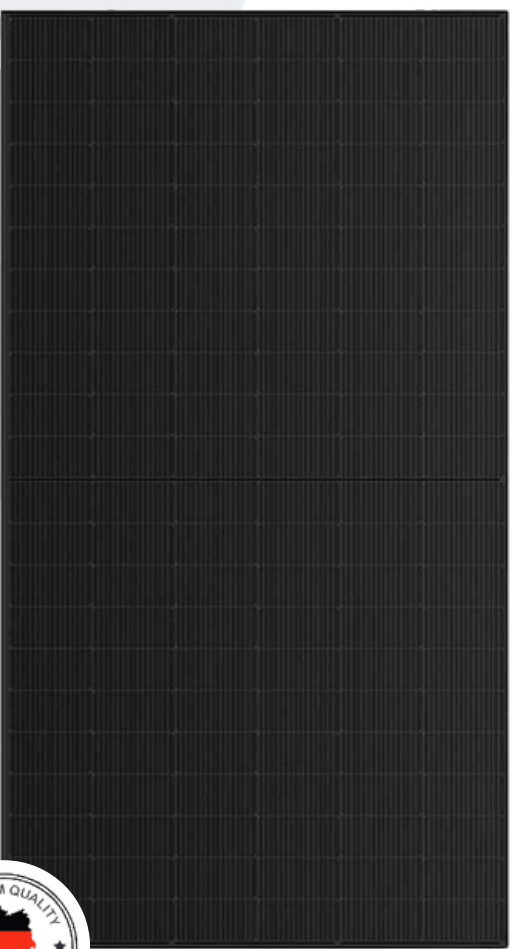
N-TYPE TOPCON module could increase power generation by 3%+ per watt compared with PERC

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

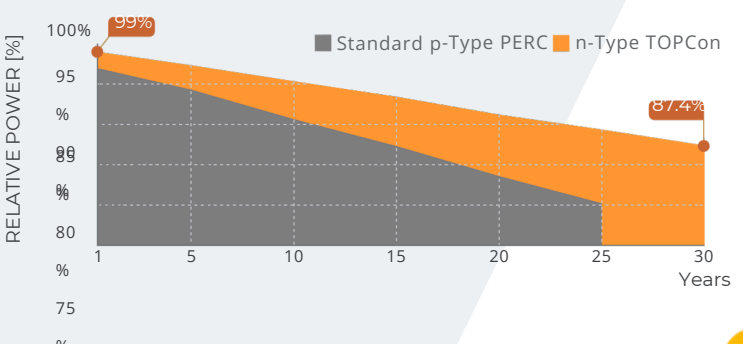
COMPATIBLE with mainstream trackers
effective product for utility power plant

Lower degradation rate, **BETTER** shading tolerance
First-year ≤1%, 2-30 year≤0.4%

LOWER TEMP. **COEFFICIENT**
More power generation under high-temperature



LINEAR PERFORMANCE WARRANTY



30 Years Warranty for Extra Linear Power Output

30 Years Warranty for Materials andProcessing

0.4% Annualdegradation

PV CYCLE ISO CE IEC INMETRO CHUBB PICC

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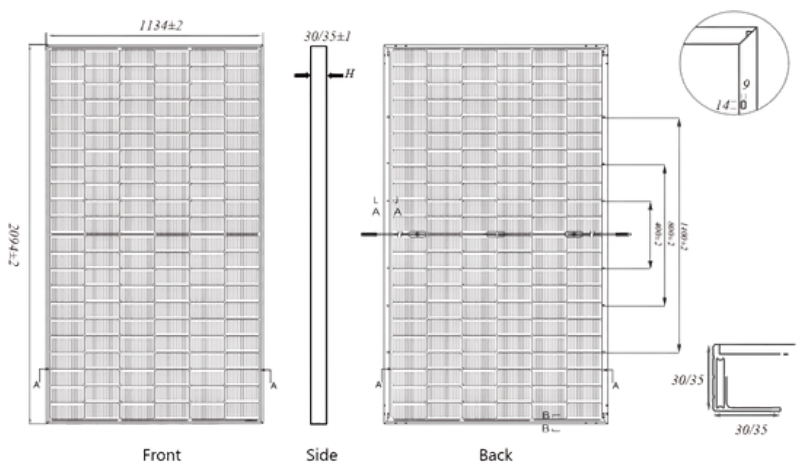
ES HC7-580 Bifacial

ELECTRICAL CHARACTERISTICS (STC)

Maximum Power(Pmax/W)	550	555	560	565	570	575	580
Open Circuit Voltage(Voc/V)	48.22	48.41	48.6	48.79	48.98	49.17	49.36
Short Circuit Current(Isc/A)	14.52	14.58	14.64	14.7	14.76	14.82	14.88
Voltage at Maximum Power(Vmp/V)	40.44	40.63	40.8	40.92	41.04	41.14	41.18
Current at Maximum Power(Imp/A)	13.69	13.77	13.79	13.81	13.89	13.99	14.10
Module Efficiency(%)	23.16	23.37	23. 58	23.79	24.0	24.21	24.43

STC:AM1.5 1000W/m² 25



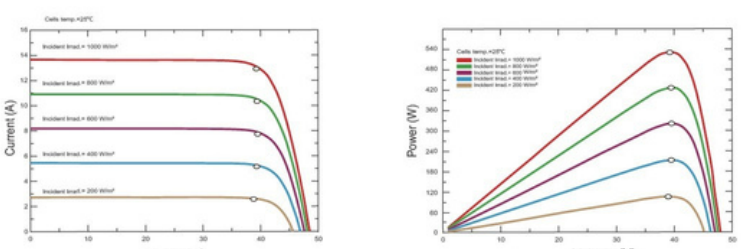
MECHANICAL SPECIFICATION

Cell	N-type TOPCon Mono	Junction Box	IP68
No.of cells	132 (6x32)	Connector	MC4 Compatible
Cable Length	1200mm(+) /1200mm(-)	Weight	25kg ±3%
Cable Cross Section Size	4mm²(IEC)	Cells Type	Mono 182 x 91 mm
Dimension(LxWxT)	2094±2mmx1134±2mmx30±1mm	Packaging	36pcs/pallet, 792pcs/40HQ(30mm) 31pcs/pallet, 806pcs/40HQ(35mm)

OPERATING PARAMETERS

Maximum System Voltage	1500VDC	Maximum StaticLoad,Front	5400Pa(112lb/ft²)
Operating Temperature	-40 ~+70	Maximum StaticLoad,Back	2400Pa(50lb/ft²
Maximum Series Fuse	25A		

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 ES HC7-580