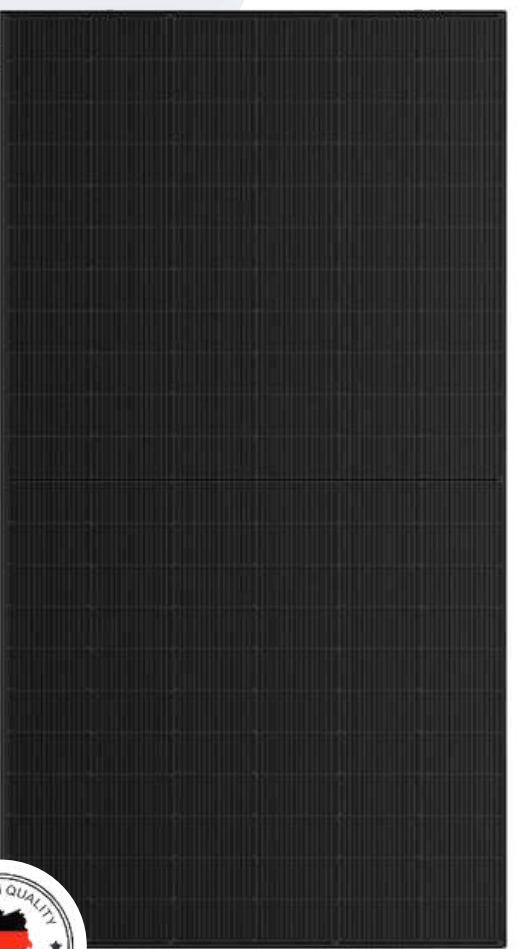
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450W- 480W

More power less degradation

ES HC7-480

Bifacial



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

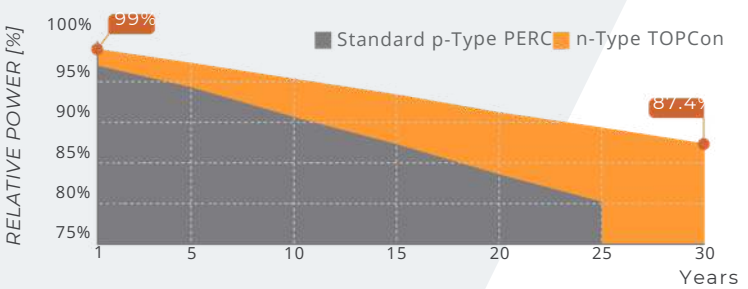
HIGHER power output
Bifacial module back-side power increase 5-25%

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 IEC PICC

Web: www. elitecsolar. com

SCAN CODE TO
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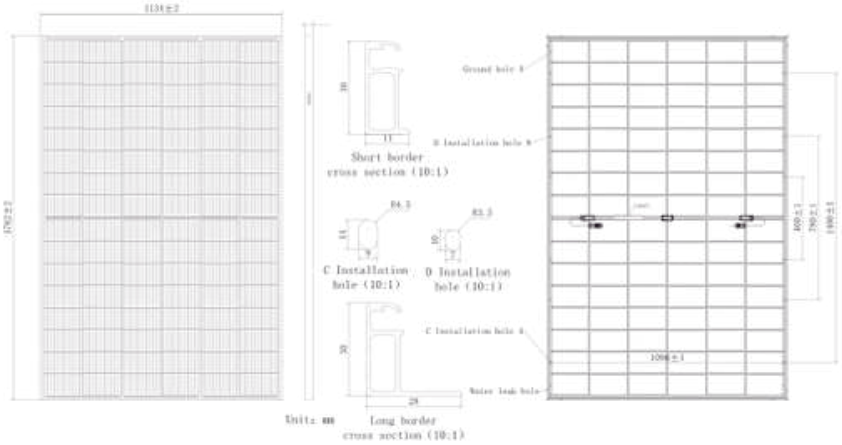
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We develop the future

ES HC7-480 Bifacial

ELECTRICAL CHARACTERISTICS (STC)

Maximum Power(Pmax/W)	450	455	460	465	470	475	480
Open Circuit Voltage(Voc/V)	36.15	36.33	36.51	36.69	36.87	37.05	37.23
Short Circuit Current(Isc/A)	15.65	15.70	15.75	15.80	15.85	15.90	15.95
Voltage at Maximum Power(Vmp/V)	30.74	30.92	31.10	31.28	31.46	31.64	31.82
Current at Maximum Power(Imp/A)	14.62	14.70	14.78	14.86	14.94	15.02	15.10
Module Efficiency(%)	22.52	22.77	23.02	23.27	2 3.52	23.77	24.02

STC:AM1.5 1000W/m² 25



MECHANICAL SPECIFICATION

Cell	N-type TOPCon Mono	Junction Box	IP68
No.of cells	96(6x16)	C onne c t or	MC4 Compatible
Cable Length	1200mm(+) /1200mm(-)	We i ght	24kgs±3%
Cable Cross Section Size	4mm²(IEC)	Cells Type	Mono 182 x 105 mm
Dimension(LxWxT)	1762±2mmx1134±2mmx30±1mm	Packaging	36pcs/pallet, 936pcs/40HQ(30mm) 31pcs/pallet, 806pcs/40HQ(35mm)

OPERATING PARAMETERS

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

TEMPERATURE RATINGS

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

I-V CURVE ES HC7-480

