

595W- 620W

More power, less degradation

X **MAX** EL HC7 - 620 -144

Bifacial



Elitec-solar 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



BETTER shading tolerance

Excellent performance under dim light

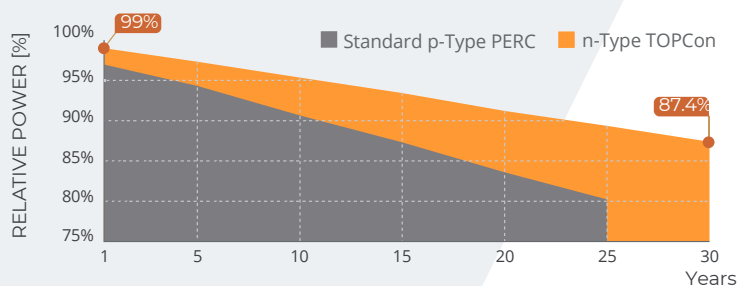


LOWER TEMP. COEFFICIENT

More power generation under high-temperature



LINEAR PERFORMANCE WARRANTY



30 Years

Warranty for Extra
Linear Power Output

30 Years

Warranty for Materials
and Processing

0.4%

Annual degradation



ELECTRICAL CHARACTERISTICS (STC)

Maximum Power(Pmax/W)	595	600	605	610	615	620
Open Circuit Voltage(Voc/V)	53.41	53.53	53.65	53.77	53.89	54.01
Short Circuit Current(Isc/A)	13.96	14.02	14.08	14.14	14.20	14.26
Voltage at Maximum Power(Vmp/V)	44.46	44.66	44.86	45.06	45.26	45.46
Current at Maximum Power(Imp/A)	13.38	13.43	13.48	13.53	13.58	13.63
Module Efficiency(%)	23.02	23.21	23.40	23.60	23.80	24.00

STC:AM1.5 1000W/m² 25 °C

ELECTRICAL CHARACTERISTICS (NOTC)

Maximum Power(Pmax/W)	449	453	553	557	601	605
Open Circuit Voltage(Voc/V)	48.82	48.88	48.94	49.00	49.06	49.12
Short Circuit Current(Isc/A)	11.85	11.91	11.97	12.03	12.09	12.15
Voltage at Maximum Power(Vmp/V)	40.16	40.29	40.42	40.55	40.68	40.81
Current at Maximum Power(Imp/A)	11.16	11.22	11.28	11.34	11.40	11.46

NOCT:AM1.5 800W/m² 20 °C 1m/s Test uncertainty for Pmax ±3%

Remark: customized frame color and cable length available upon request

MECHANICAL SPECIFICATION

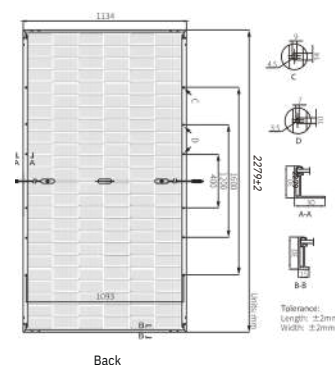
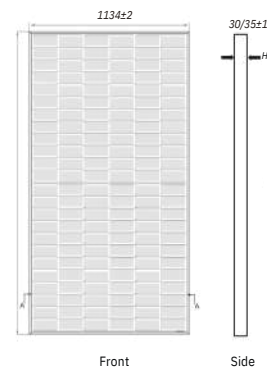
Cell	N-type Mono Xmax	Junction Box	IP68 , 3 diodes
No.of cells	144 (6x24)	Connector	MC4 Compatible
Cable Length	300mm(+)/300mm(-)	Weight	32.3kgs±3%
Cable Cross Section Size	4mm ² (IEC)	Cells Type	Mono 182 x 91mm
Dimension(LxWxT)	2279±2mm x 1134±2mm x 30±1mm	Packaging	36pcs/pallet, 720 pcs/40HQ

OPERATING PARAMETERS

Maximum System Voltage	1500VDC	Maximum StaticLoad,Front	5400Pa(112lb/ft ²)
Operating Temperature	-40°C~+70°C	Maximum StaticLoad,Back	2400Pa(50lb/ft ²)
Maximum Series Fuse	30A	Maximum StaticLoad,Back	2400Pa(50lb/ft ²)

TEMPERATURE RATINGS

Normal 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(Xmax EL HC7-620-144)

