

625W- 650W

More power, less degradation

X **MAX** EL HC7 - 650 -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



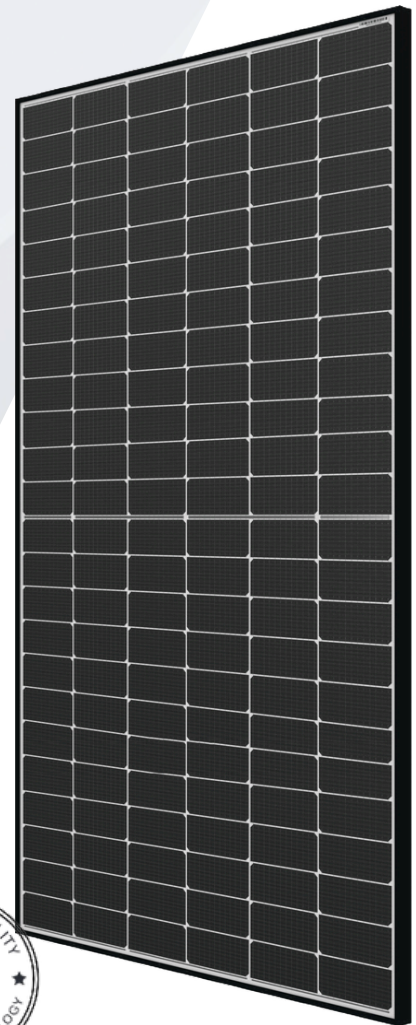
BETTER shading tolerance

Excellent performance under dim light

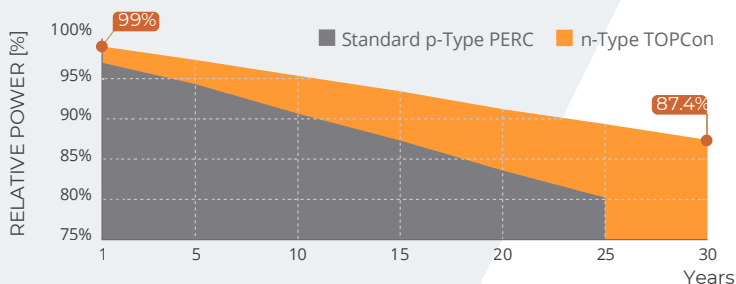


LOWER TEMP. COEFFICIENT

More power generation under high-temperature



LINEAR PERFORMANCE WARRANTY



30 Years

Warranty for Extra
Linear Power Output

15 Years

Warranty for Materials
and Processing

0.4%

Annual degradation

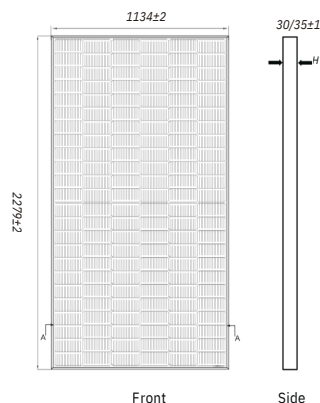


Remark: customized frame color and cable length available upon request

ELECTRICAL CHARACTERISTICS (STC)

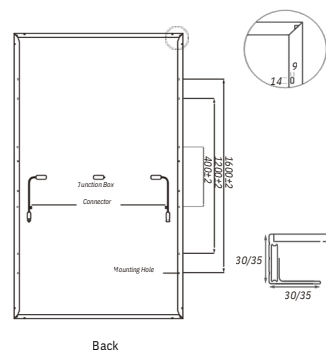
Maximum Power(Pmax/W)	625	630	635	640	645	650
Open Circuit Voltage(Voc/V)	54.13	54.25	54.37	54.49	54.61	54.73
Short Circuit Current(Isc/A)	14.32	14.38	14.44	14.50	14.56	14.62
Voltage at Maximum Power(Vmp/V)	45.66	45.86	46.06	46.26	46.46	46.66
Current at Maximum Power(Imp/A)	13.68	13.73	13.78	13.83	13.88	13.93
Module Efficiency(%)	24.20	24.40	24.60	24.80	25.00	25.20

STC:AM1.5 1000W/m² 25°C



ELECTRICAL CHARACTERISTICS (NOTC)

Maximum Power(Pmax/W)	609	617	621	625	629	633
Open Circuit Voltage(Voc/V)	49.18	49.24	49.30	49.36	49.42	49.48
Short Circuit Current(Isc/A)	12.11	12.17	12.23	12.29	12.35	12.41
Voltage at Maximum Power(Vmp/V)	40.94	41.07	41.20	41.33	41.46	41.59
Current at Maximum Power(Imp/A)	11.52	11.58	11.64	11.70	11.76	11.82



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

MECHANICAL SPECIFICATION

Cell	TOPCon Mono Xmax	Junction Box	IP68
No.of cells	144(6x24)	Connector	MC4 Compatible
Cable Length	300mm(+)/300mm(-)	Weight	32.3 kgs±3%
Cable Cross Section Size	4mm ² (IEC)	Cells Type	Mono 182x91 mm
Dimension(LxWxT)	2279±2mmx1134±2mmx30±1mm	Packaging	36pcs/pallet, 720pcs/40HQ(30mm) 31pcs/pallet, 620pcs/40HQ(35mm)

OPERATING PARAMETERS

Maximum System Voltage	1500VDC	Maximum StaticLoad,Front	5400Pa(112lb/ft ²)
Operating Temperature	-40°C~+85°C	Maximum StaticLoad,Back	2400Pa(50lb/ft ²)
Maximum Series Fuse	30A	Safety Class	Class II

TEMPERATURE RATINGS

Normal Operating Cell Temperature(NOCT)	45±2°C
Temperature Coefficient of Isc	+0.045%/°C
Temperature Coefficient of Voc	-0.23%/°C
Temperature Coefficient of Pmax	-0.28%/°C

I-V CURVE(Xmax EL HC7-650-144)

