

Flexible Series LEXRON®



FLEX YOUR ENERGY..

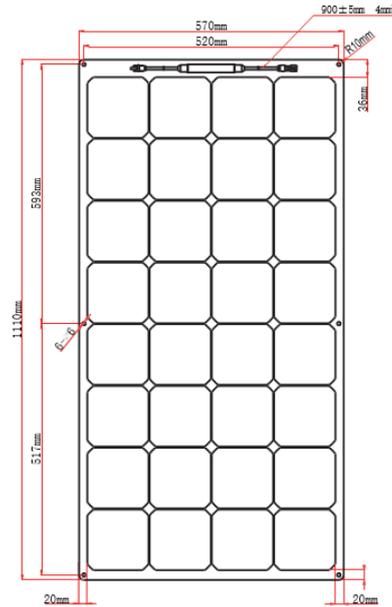
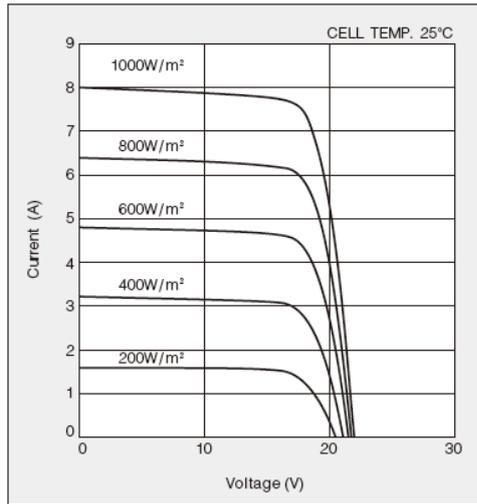


LEXRON semi flexible solar panel is manufactured with Sunpower Maxeon Flexible Solar Cells. Maxeon cell has the strength and durability to survive extreme conditions year after year, enabling long-term performance in a broad range of applications.

Our panels feature the highest-efficiency solar cells available which means more power or faster charging times for solar compatible batteries.

LEXRON panels are particularly suited to sailing yachts, but they are equally suited to applications in electric mobility, caravans and campers, trekking, tents and mountain huts, emergency structures and building integrated projects. Because of light weight and thin structure which contains no glass or aluminum, it is easy to install on curved solid surfaces, with high efficiency up to 24.30%. Advantages of LEXRON Semiflexible Solar Panels;

- Corrosion Resistance: LEXRON tin-copper metal system is more corrosion resistant compared to the porous metal paste used in conventional Cells, which can crack more easily and corrode.
- Crack Resistance: LEXRON Cells cells are thinner and more flexible than conventional cells. When a SunPower cell bends, the backside copper metal foundation keeps the cell intact and maintains a high power output. When conventional cells bend, the cell breaks apart with typically a significant loss of power.
- Eco-Friendly: LEXRON cells solder to lead-free components and are RoHS compliant. Conventional cells often require components with lead.



Electrical Characteristics

Product code	LXR-130F	LXR-145F
Maximum power(Pmax)	130W	145W
Voltage at Pmax(Vmp)	19,00	21,50
Current at Pmax(Imp)	6,84	6,74
Open-circuit voltage(Voc)	21,50	23,50
Short -circuit current(Isc)	6,95	6,90
Power temperature coefficient	-0.38%/°C	-0.38%/°C
Voltage temperature coefficient	-0.27%/°C	-0.27%/°C
Current temperature coefficient	+0.05%/°C	+0.05%/°C
Cells Efficiency(%)	24.30%	24.30%
The maximum system voltage	1000VDC(IEC)	1000VDC(IEC)
Output power tolerance	±3%	±3%

Specifications

Cells	SunPower Maxeon Solar Cells	
Certificates	CE	
Weight	1,3kg	1,6kg
Module Dimension	570*1130*3mm	570*1290*3mm

ACS Energy and Technology LTD