

# LEXRON

FOR A LIVEABLE WORLD



FULL CELL

60 CELL

POLYCRYSTALLINE MODULE

265–285W

POWER OUTPUT RANGE

17.10%

MAXIMUM EFFICIENCY

0~+5W

BINNING TOLERANCE

5BB

MULTI BUSBAR

PERC CELL TECHNOLOGY



**HIGH POWER MODULE**

High module conversion efficiency (up to 19,20%), through superior manufacturing technology



**POSITIVE TOLERANCE**

Guaranteed 0– +5W positive power output tolerance ensures high reliability



**SELF CLEANING**

Anti-reflective, hydrophobic coating improves light absorption and reduces surface dust



**STRONG AIR RESISTANCE**

Entire module certified to withstand high wind loads (2400 Pascal) and snow loads (5400 Pascal)\*



**HIGH PERFORMANCE**

Excellent performance under low light environments (mornings, evenings and cloudy days)

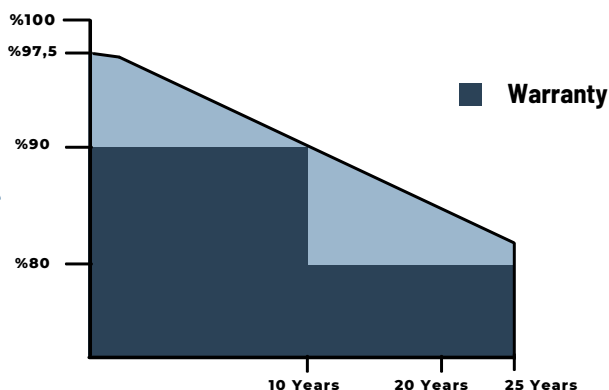
## SYSTEM CERTIFICATES

- IEC61215/IEC61730/IEC61701/IEC62716
- ISO 9001: Quality Management System
- ISO 14001: Environmental Management
- ISO45001: Occupational Health and Safety

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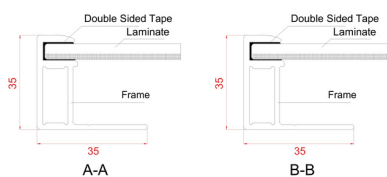
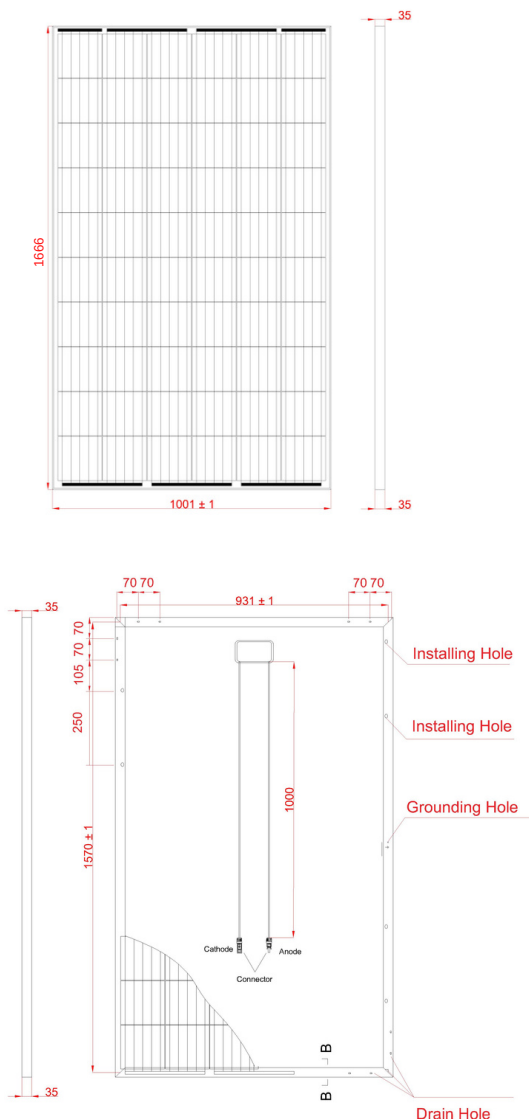
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### Industry-leading warranty

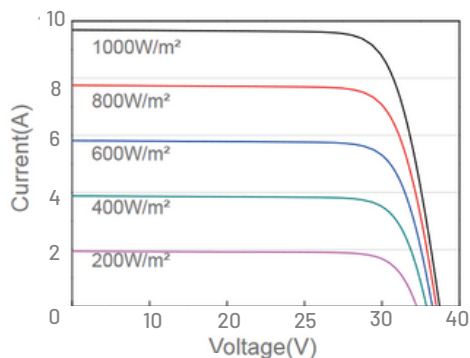


# 60 CELL POLYCRYSTAL DATASHEET

## DIMENSIONS OF PV MODULE(mm)



## I-V CURVES OF PV MODULE(285W)



## ELECTRICAL DATA (STC)

Nominal Maximum	265W	270W	275W	280W	285W
Open CIRCUIT Voltage (Voc)	37,5V	37,7V	37,8V	38,4V	38,6V
Max Power Voltage (Vmp)	30,8V	31,0V	31,2V	32,0V	32,2V
Short Circuit Current(Isc)	8,90A	9,01A	9,10A	9,23A	9,34A
Max Power Current (Imp)	8,60A	8,71A	8,73A	8,75A	8,85A
Module Efficiency	%15	%15,3	%15,5	%16,79	%17,09
Operating Temperature	-40°C~+85°C				
Maximum System Voltage	1000V (IEC/UL)				
Maximum Series Fuse Rating	15A				
Application Classification	Class A				
Power Tolerance	0 ~ + 5W				

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5.  
\*Measuring tolerance: ±3%.

## MECHANICAL DATA

Cell Type	Mono-crystalline 157x157mm, 5BB
Cell Arrangement	60 (6X10)
Dimensions	1666 x 1001 x 35 (mm)
Weight	19 (kg)
Front Cover	3.2mm Tempered Glass
Frame Material	Anodized Aluminum Alloy
J-BOX	IP67 / IP68 6 Diodes
Cable	Photovoltaic Technology Cable 4.0mm <sup>2</sup> / 1000mm
Connectors	MC4 or MC4 Comparable
Standard Packaging (Modules per Pallet)	32pcs
Module Pieces per container (40' / 20')	896pcs / 384pcs

## TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of Pmax	-0.300%/°C
Temperature Coefficient of Voc	-0.290%/°C
Temperature Coefficient of Isc	0.060%/°C

## WARRANTY

- 10 year Product Workmanship Warranty
- 25 year Power Warranty
- 2% first year degradation
- 0.45% Annual Power Attenuation

