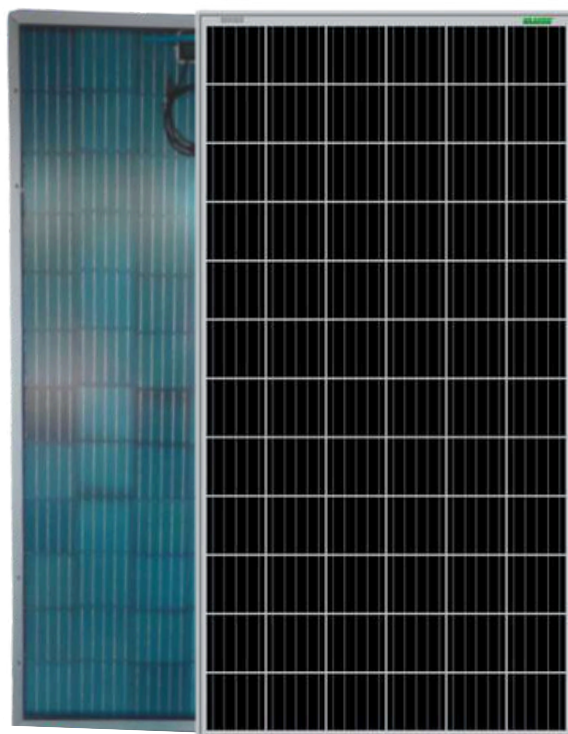


LEXRON

FOR A LIVEABLE WORLD



FULL CELL

72 CELL

MONOCRYSTALLINE MODULE

450-470W

POWER OUTPUT RANGE

23,60%

MAXIMUM EFFICIENCY

0~+5W

BINNING TOLERANCE

5BB

PERC CELL TECHNOLOGY



HIGH POWER MODULE

High module conversion efficiency, 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

ISO 9001: Quality Management System

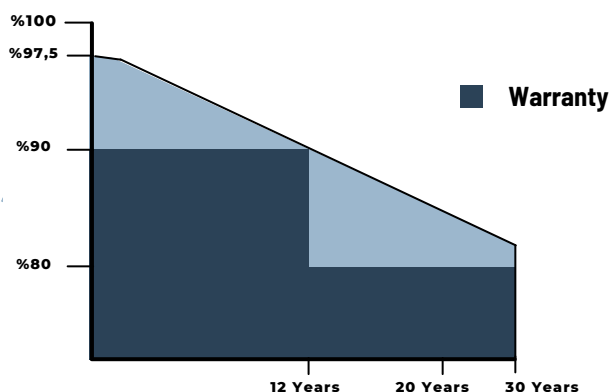
ISO 14001: Environmental Management

ISO 45001: Occupational Health and Safety

LEXRON

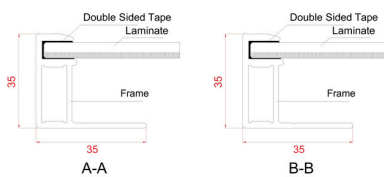
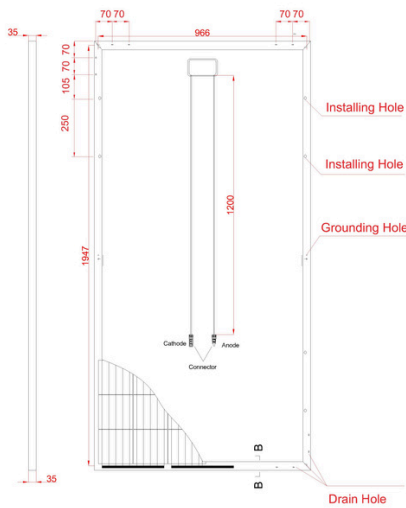
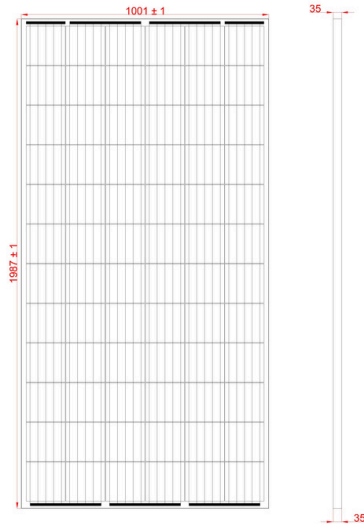
FOR A LIVEABLE WORLD

Industry-leading warranty

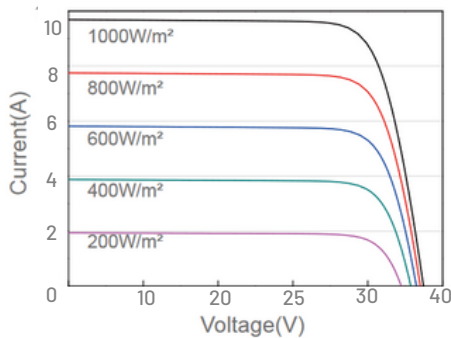


72 CELL BIFACIAL MONOCRYSTAL DATASHEET

DIMENSIONS OF PV MODULE(mm)



I-V CURVES OF PV MODULE



ELECTRICAL DATA (STC)

Nominal Maximum	405W	410W	415W	420W	425W	430W
Open Circuit Voltage (Voc)	49,66V	49,82V	50,00V	50,20V	50,38V	50,54V
Max Power Voltage (Vmp)	41,38V	41,52V	41,67V	41,83V	41,98V	42,12V
Short Circuit Current (Isc)	10,32A	10,42A	10,51A	10,59A	10,68A	10,77A
Max Power Current (Imp)	9,79A	9,87A	9,96A	10,04A	10,12A	10,21A
Module Efficiency	%20,36	%20,61	%20,86	%21,12	%21,37	%21,62
Operating Temperature	-40°C ~ +85°C					
Maximum System Voltage	1000V DC (IEC)					
Maximum Series Fuse Rating	15A					
Application Classification	Class A					
Power Tolerance	0 ~ + 5W					

STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5
Measuring tolerance: ±3%

MECHANICAL DATA

Cell Type	Monocrystalline 158,75x158,75mm, 5BB
Cell Arrangement	72 (6X12)
Dimensions	1987 x 1001 x 35 (mm)
Weight	22 (kg)
Front Cover	3.2mm, AR Coated Heat Strengthened Glass
Frame Material	Anodized Aluminum Alloy
J-BOX	IP67 / IP68
Cable	Photovoltaic Technology Cable 4.0mm ² / 1200mm
Connectors	MC4 or MC4 Comparable
Standard Packaging (Modules per Pallet)	32pcs
Module Pieces per container (40' / 20')	704pcs / 352pcs

BIFACIAL OUTPUT-REAR SIDE POWER GAIN

Maximum Power (Pmax) (Wp) %5	425,25	430,50	435,75	441	446,25	451,5
Module Efficiency STC (%) %5	21,38%	21,64%	21,91%	22,17%	22,44%	22,70%
Maximum Power (Pmax) (Wp) %10	445,50	451	456,50	462	467,50	473
Module Efficiency STC (%) %10	22,40%	22,67%	22,95%	23,23%	23,50%	23,78%
Maximum Power (Pmax) (Wp) %15	465,75	471,50	477,25	483	488,75	494,5
Module Efficiency STC (%) %15	23,42%	23,71%	23,99%	24,28%	24,57%	24,86%

TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of Pmax	-0.29%/°C
Temperature Coefficient of Voc	-0.250%/°C
Temperature Coefficient of Isc	0.045%/°C

WARRANTY

- 12 Year Product Workmanship Warranty
- 30 Year Power Warranty
- 2% First Year Degradation
- 0.45% Annual Power Attenuation

The specification and key features described in this datasheet may deviate slightly and are not guaranteed. Due to ongoing innovation, R&D enhancement, Lexron Brand reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the most recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described herein.