

LEXRON

FOR A LIVEABLE WORLD

LXR-72-M 420W

FULL CELL

72 CELL

MONOCRYSTALLINE MODULE

400-420W

POWER OUTPUT RANGE

21.12%

MAXIMUM EFFICIENCY

0~+5W

BINNING TOLERANCE

5BB

MULTI BUSBAR

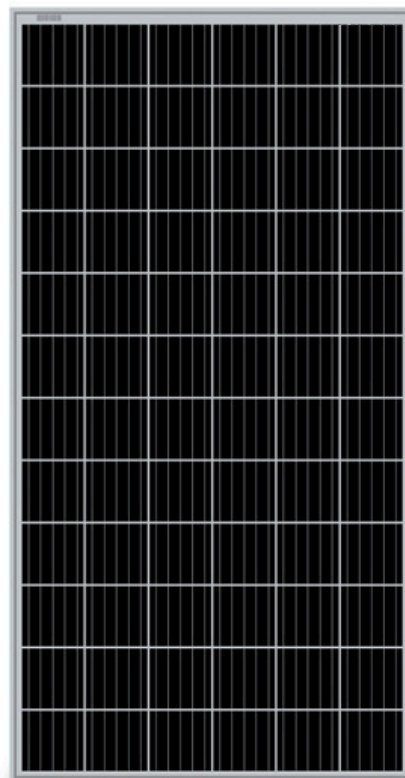
PERC CELL TECHNOLOGY

SYSTEM CERTIFICATES

IEC61215/IEC61730/IEC61701/IEC62716
ISO 9001: Quality Management System
ISO 14001: Environmental Management
ISO 45001: Occupational Health and Safety

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HIGH POWER MODULE

High module conversion efficiency (up to 22.6%), 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

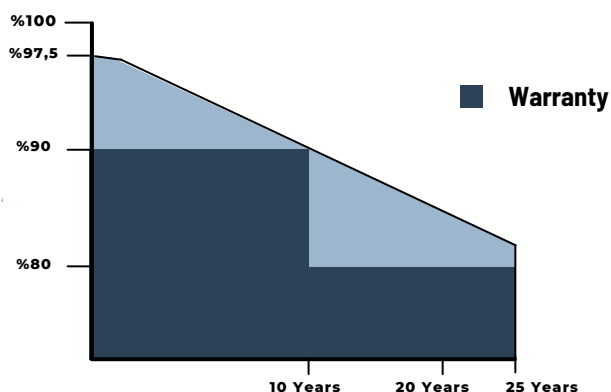
Entire module certified to withstand high wind loads (2400 Pascal) and snow loads (5400 Pascal)*



HIGH PERFORMANCE

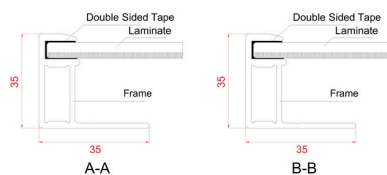
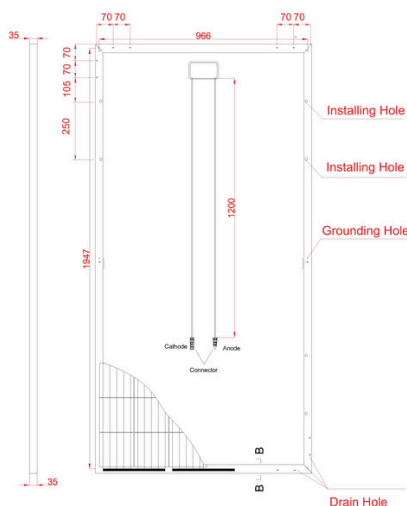
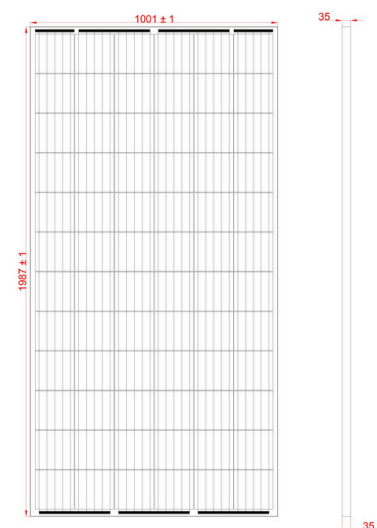
Excellent performance under low light environments (mornings, evenings and cloudy days)

Industry-leading warranty

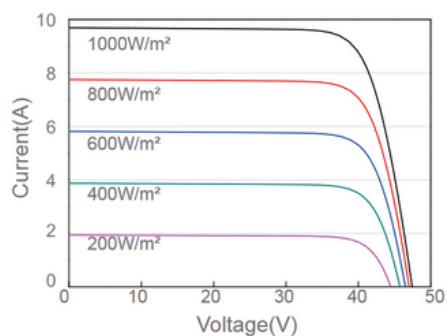


72 CELL PERC MONOCRYSTAL DATASHEET

DIMENSIONS OF PV MODULE(mm)



I-V CURVES OF PV MODULE(410W)



ELECTRICAL DATA (STC)

Nominal Maximum	400W	405W	410W	415W	420W
Open CIRCUIT Voltage (Voc)	49,44V	49,43V	49,70V	49,81V	49,92V
Max Power Voltage (Vmp)	41,2V	41,3V	41,42V	41,55V	41,60V
Short Circuit Current(Isc)	10,24A	10,32A	10,44A	10,54A	10,65A
Max Power Current (Imp)	9,71A	9,82A	9,90A	9,99A	10,10A
Module Efficiency	%20,11	%20,40	%20,61	%20,82	%21,12
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/m², Cell Temperature 25°C, Air Mass AM1.5.
*Measuring tolerance: ±3%.

MECHANICAL DATA

Cell Type	PERC Mono-crystalline 158,75x158,75mm, 5BB
Cell Arrangement	72 (6X12)
Dimensions	1987 x 1001 x 34 (mm)
Weight	22 kg
Front Cover	3.2mm Tempered 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

TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	45±2°C
Temperature Coefficient of Pmax	-0.350%/°C
Temperature Coefficient of Voc	-0.280%/°C
Temperature Coefficient of Isc	0.048%/°C

WARRANTY

- 12 year Product Workmanship Warranty
- 30 year Power Warranty
- 2% first year degradation
- 0.45% Annual Power Attenuation

