

LEXRON

FOR A LIVEABLE WORLD

LR72M-HC-465

HALF CUT

144 CELL

MONOCRYSTALLINE MODULE

440-465W

POWER OUTPUT RANGE

21.35%

MAXIMUM EFFICIENCY

0~+5W

BINNING TOLERANCE

9BB

MULTI BUSBAR

PERC CELL TECHNOLOGY

SYSTEM CERTIFICATES

IEC61215/IEC61730/IEC61701/IEC62716

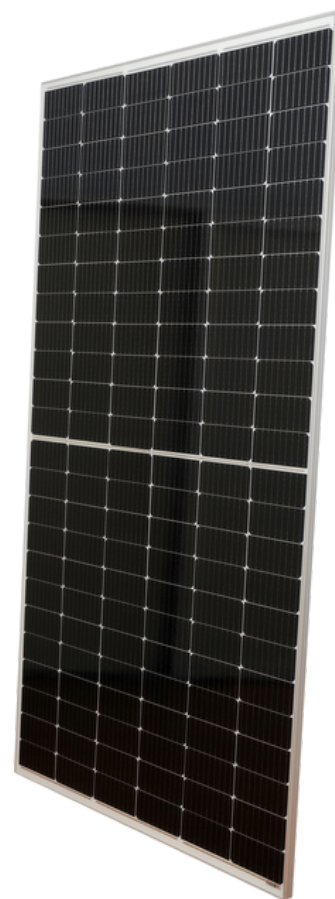
ISO 9001: Quality Management System

ISO 14001: Environmental Management

ISO 45001: Occupational Health and Safety

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HIGH POWER MODULE

High module conversion efficiency (up to 20.6%), 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

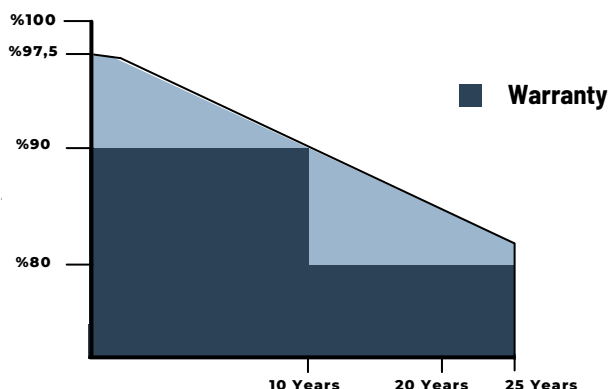
Entire module certified to withstand high wind loads (2400 Pascal) and snow loads (5400 Pascal)*



HIGH PERFORMANCE

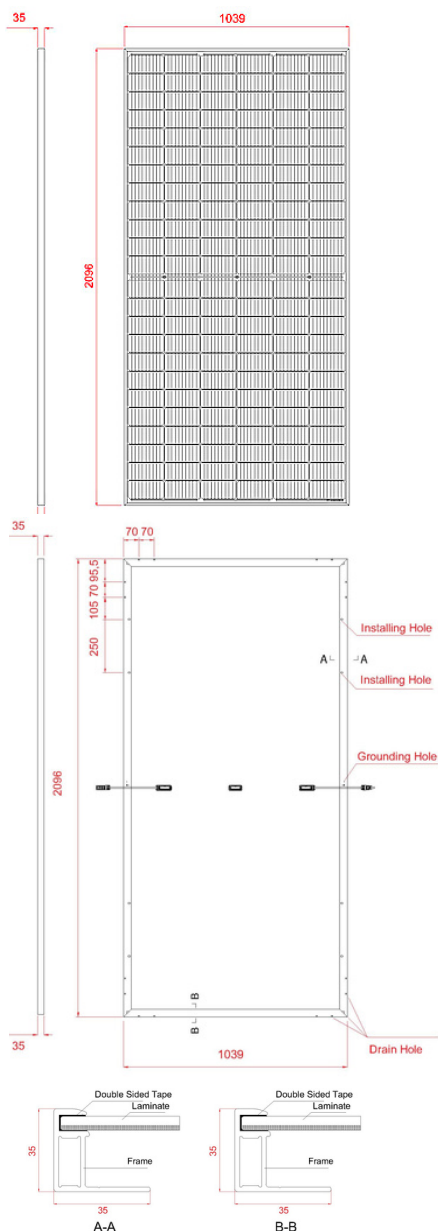
Excellent performance under low light environments (mornings, evenings and cloudy days)

Industry-leading warranty

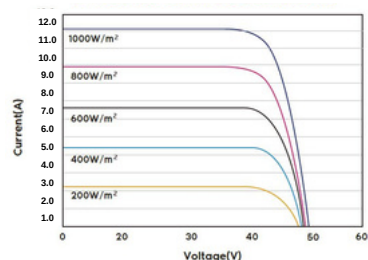


144 CELL HALFCUT MONOCRYSTAL DATASHEET

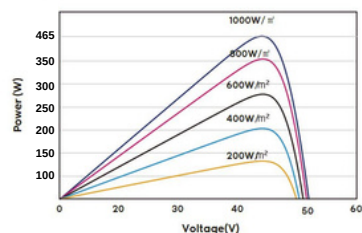
DIMENSIONS OF PV MODULE(mm)



I-V CURVES OF PV MODULE(450W)



P-V CURVES OF PV MODULE(450W)



ELECTRICAL DATA (STC)

Nominal Maximum	440W	445W	450W	455W	460W	465W
Open CIRCUIT Voltage (Voc)	49,32V	49,68V	50,04V	50,40V	50,76V	51,00V
Max Power Voltage (Vmp)	41,1V	41,4V	41,7V	42V	42,3V	42,5V
Short Circuit Current(Isc)	11,29A	11,34A	11,38A	11,43A	11,47A	11,54A
Max Power Current (Imp)	10,71A	10,75A	10,79A	10,83A	10,87A	10,94A
Module Efficiency	20,20%	20,43%	20,66%	20,89%	21,12%	21,35%
Operating Temperature	-40°C~+85°C					
Maximum System Voltage	1500V (IEC/UL)					
Maximum Series Fuse Rating	20A					
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	Mono-crystalline 166x83mm, 9BB
Cell Arrangement	144 (6x24)
Dimensions	2096 x 1039 x 35 mm
Weight	24kg
Front Cover	3.2mm Tempered Glass
Frame Material	Anodized Aluminum Alloy
J-BOX	IP67 / IP68
Cable	Photovoltaic Technology Cable 4.0mm ²
Connectors	MC4 EVO2 or MC4 Comparable
Standard Packaging (Modules per Pallet)	33pcs
Module Pieces per container (40' / 20')	760pcs / 320pcs

TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	41±3°C
Temperature Coefficient of Pmax	-0.350%/°C
Temperature Coefficient of Voc	-0.250%/°C
Temperature Coefficient of Isc	0.040%/°C

WARRANTY

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

