

LEXRON

FOR A LIVEABLE WORLD

HALF CUT

144 CELL

MONOCRYSTALLINE MODULE

535–560W

POWER OUTPUT RANGE

21.67%

MAXIMUM EFFICIENCY

0~+5W

BINNING TOLERANCE

10BB

MULTI BUSBAR

PERC CELL TECHNOLOGY

SYSTEM CERTIFICATES

IEC61215/IEC61730/IEC61701/IEC62716

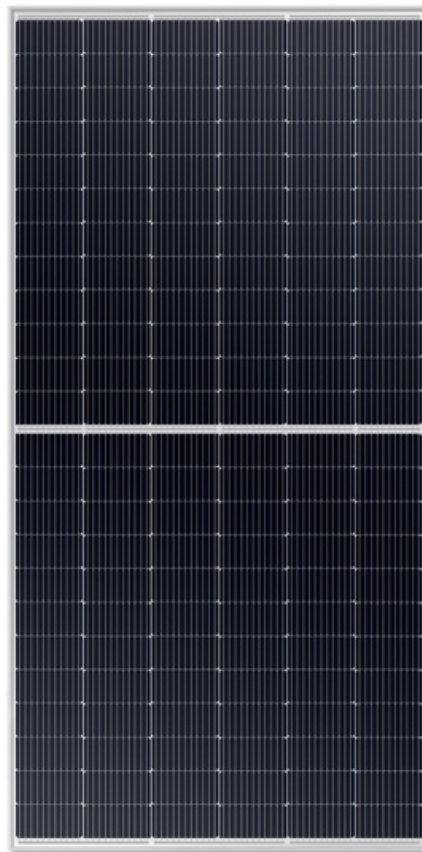
ISO 9001: Quality Management System

ISO 14001: Environmental Management

ISO 45001: Occupational Health and Safety

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HIGH POWER MODULE

High module conversion efficiency (up to 21.28%), 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

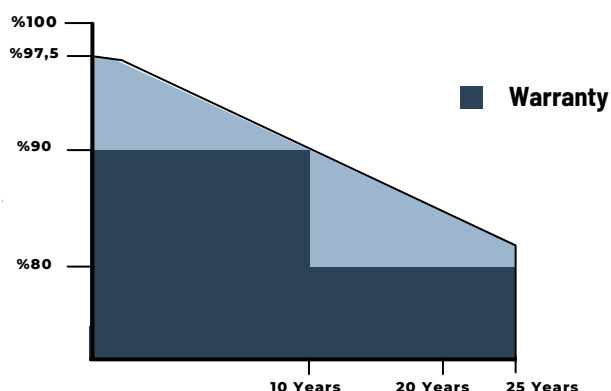
Entire module certified to withstand high wind loads (2400 Pascal) and snow loads (5400 Pascal)*



HIGH PERFORMANCE

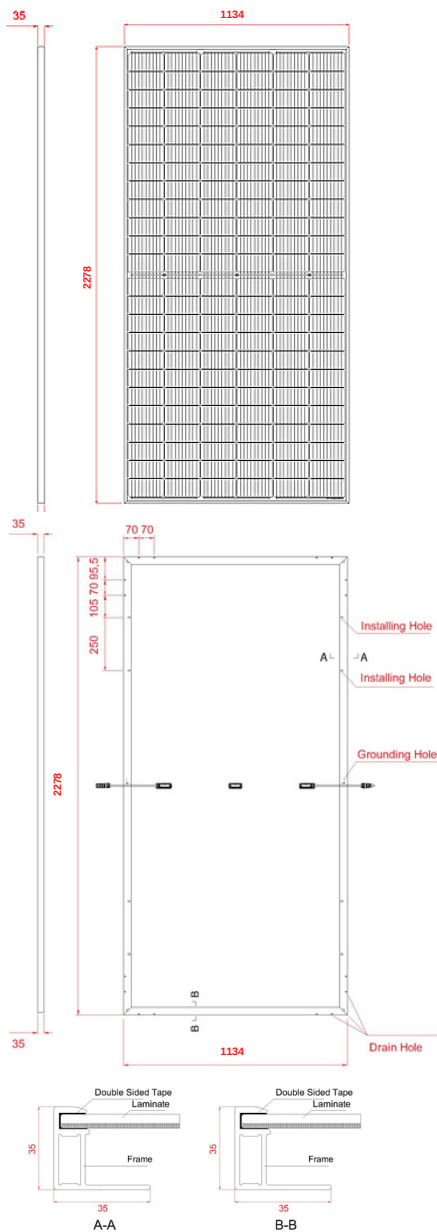
Excellent performance under low light environments (mornings, evenings and cloudy days)

Industry-leading warranty

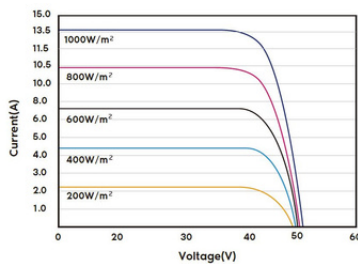


144 CELL HALFCUT MONOCRYSTAL DATASHEET

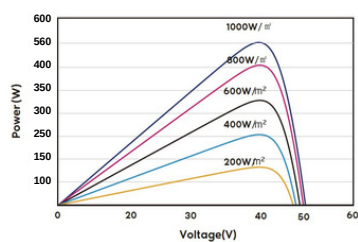
DIMENSIONS OF PV MODULE(mm)



I-V CURVES OF PV MODULE(540W)



P-V CURVES OF PV MODULE(540W)



ELECTRICAL DATA (STC)

Nominal Maximum	535W	540W	545W	550W	555W	560W
Open CIRCUIT Voltage (Voc)	49,8V	49,98V	50,16V	50,35V	50,52V	50,64V
Max Power Voltage (Vmp)	41,5V	41,65V	41,8V	41,96V	42,1V	42,2V
Short Circuit Current(Isc)	13,6A	13,68A	13,75A	13,83A	13,91A	14,00A
Max Power Current (Imp)	12,89A	12,97A	13,04A	13,11A	13,18A	13,27A
Module Efficiency	20,7%	20,89%	21,09%	21,28%	21,09%	21,28%
Operating Temperature	-40°C~+85°C					
Maximum System Voltage	1500V (IEC/UL)					
Maximum Series Fuse Rating	25A					
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 182x91mm, 11BB
Cell Arrangement	144 (6x24)
Dimensions	2278 x 1134 x 35 mm
Weight	28kg
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')	704pcs / 320pcs

TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	45±3°C
Temperature Coefficient of Pmax	-0.350%/°C
Temperature Coefficient of Voc	-0.280%/°C
Temperature Coefficient of Isc	0.048%/°C

WARRANTY

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

