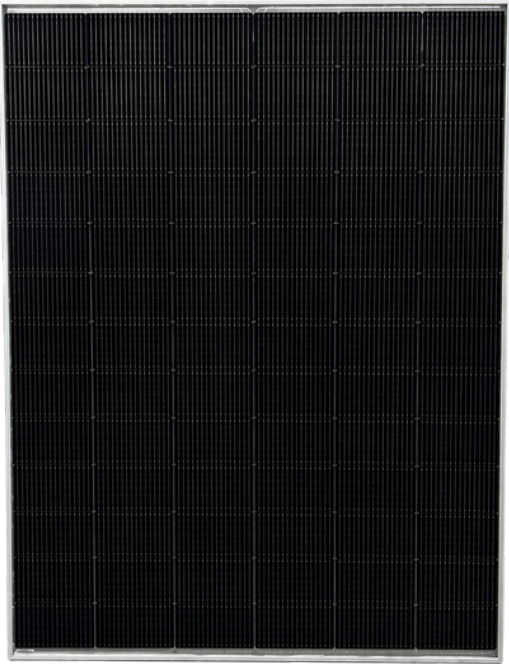


LEXRON

FOR A LIVEABLE WORLD



HALF-CUT 78 CELL

N-TYPE MONOCRYSTALLINE MODULE

450W

POWER OUTPUT RANGE

24,12%

MAXIMUM EFFICIENCY

0~+5W

BINNING TOLERANCE

16BB

SUPER MULTI BUSBAR TECHNOLOGY

N-TYPE MODULES WITH TOPCON
TECHNOLOGY



N-TYPE TECHNOLOGY

N-type modules with TOPcon technology offer lower LID/LeTID degradation and better low light performance



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

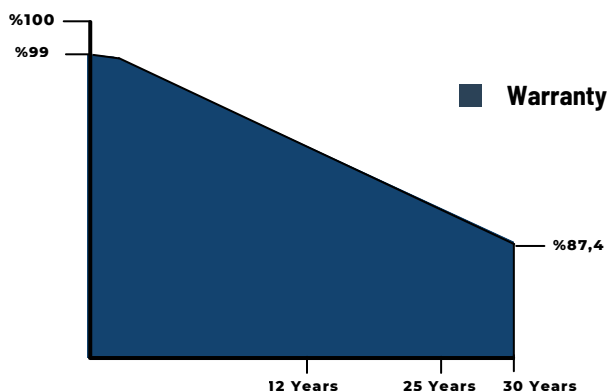
ISO 14001: Environmental Management

ISO 45001: Occupational Health and Safety

LEXRON

FOR A LIVEABLE WORLD

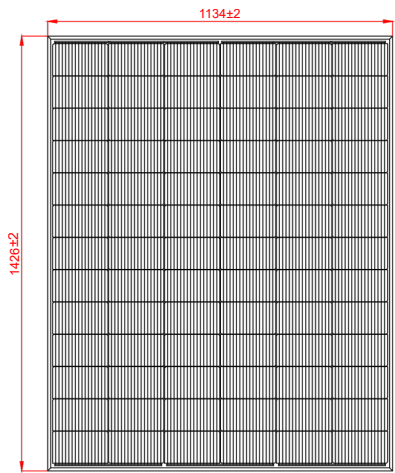
Industry-leading warranty



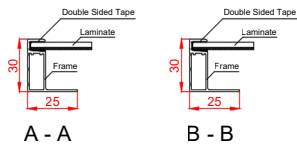
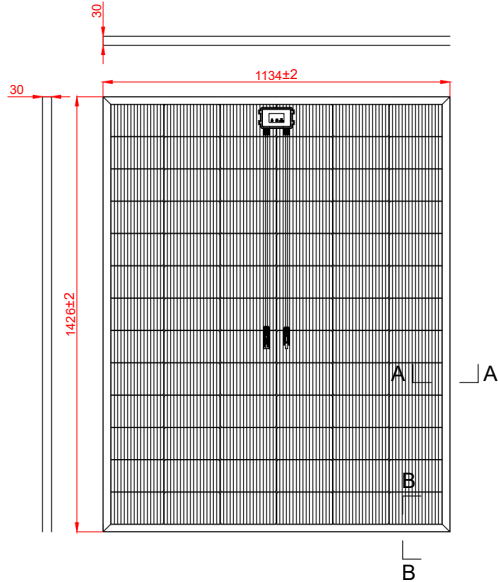
78 CELL BIFACIAL HALFCUT TOPCON DATASHEET

DIMENSIONS OF PV MODULE(mm)

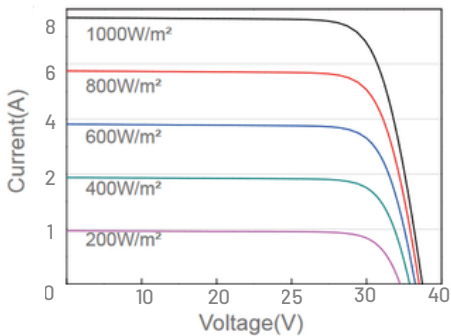
Front View



Back View



I-V CURVES OF PV MODULE



ELECTRICAL DATA (STC)

Nominal Maximum	390W
Open Circuit Voltage (Voc)	58,48V
Max Power Voltage (Vmp)	48,94V
Short Circuit Current (Isc)	8,30A
Max Power Current (Imp)	7,97A
Module Efficiency	%24,12
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	TOPCon 210R – 16 Busbar
Cell Arrangement	78 (6X13)
Dimensions	1134 x 1426 x 30 (mm)
Weight	11 (kg)
Front Glass	3,2 mm, High Transmission, AR Coated Heat Strengthened
Frame Material	Anodized Aluminum Alloy
J-BOX	IIP68
Cable	4 mm² (+): 0,7m (-): 0,7m or Customized Length
Connectors	MC4 EVO2 / TS4
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	409,5
Module Efficiency STC (%) %5	25,32%
Maximum Power (Pmax) (Wp) %10	429
Module Efficiency STC (%) %10	26,53%
Maximum Power (Pmax) (Wp) %15	448.5
Module Efficiency STC (%) %15	27,73%

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	0.048%°C

WARRANTY

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

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