

LEXRON

FOR A LIVEABLE WORLD

HALF CUT

132 CELL

N-TYPE MONOCRYSTALLINE MODULE

630-655W

POWER OUTPUT RANGE

24,25%

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

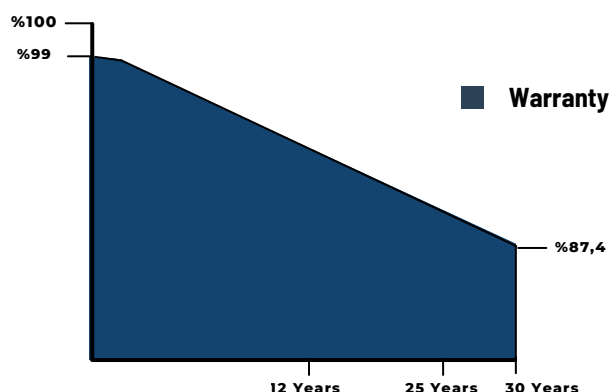
ISO 14001: Environmental Management

ISO 45001: Occupational Health and Safety

LEXRON

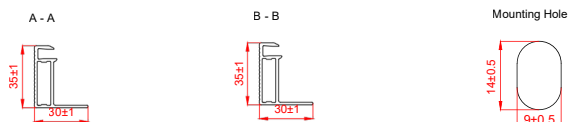
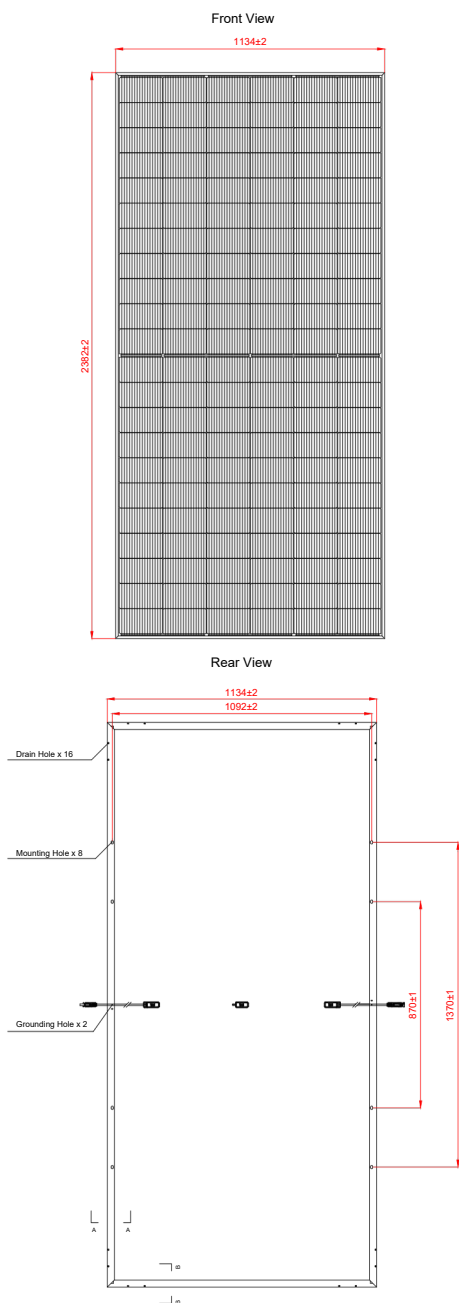
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Industry-leading warranty

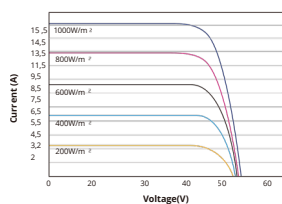


132 CELL HALFCUT TOPCON DATASHEET

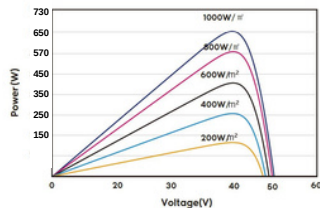
ENGINEERING DRAWING (mm)



I-V CURVES OF PV MODULE



P-V CURVES OF PV MODULE



ELECTRICAL DATA (STC)

Nominal Maximum	630W	635W	640W	645W	650W	655W
Open Circuit Voltage (Voc)	49,34V	49,54V	49,74V	49,94V	50,14V	50,34V
Max Power Voltage (Vmp)	41,32V	41,48V	41,67V	41,86V	42,05V	42,32V
Short Circuit Current (Isc)	16,25A	16,30A	16,36A	16,42A	16,47A	16,53A
Max Power Current (Imp)	15,25A	15,31A	15,36A	15,41A	15,46A	15,48A
Module Efficiency	23,32%	23,51%	23,69%	23,88%	24,06%	24,25%
Operating Temperature	-40°C~+85°C					
Maximum System Voltage	1500V (IEC)					
Maximum Series Fuse Rating	30A					
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	N -type Monocrystalline
Cell Arrangement	132 cell
Dimensions	2382 x 1134 x 35 mm (±2mm)
Weight	31 kg
Front Cover	3.2mm, AR Coated Heat Strengthened Glass
Frame Material	35mm Anodized Aluminum Alloy
J-BOX	IP68
Cable	4 mm ² (+): 0,3m, 1,2m. (-): 0,3m, 1,2m. or Customized
Connectors	MC4 EVO2 / TS4
Standard Packaging (Modules per Pallet)	33pcs
Module Pieces per container (40')	660pcs

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	0.046%/°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.

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