

luxra®PURE
ENERGY

LOW REFLECTION

Suitable for applications with severe Glare requirements (e.g. next to roads or airports and residential complexes).



HIGHEST PERFORMANCE

Excellent N-type TOPCon bifacial cell efficiency for output up to maximum performance of 450 Wp available.



LIGHT WEIGHT

Low module weight with double glass for maximum high static load on front side and high hail resistance.



DESIGN AND SECURITY

Elegant black framework and all black design, together with double glass for technical security. Reliable for your free clean energy.

RESIDENTIAL NEW GENERATION HIGH POWER

LUXRA® PURE MODULE LX-450N

THE POWERFUL AND RELIABLE SOLAR MODULE FOR MULTI-APPLICATION SOLUTIONS



Inherent defect coverage
for certified panels with
inline-quality inspection



Performance Guarantee
30 years linear power
output warranty



Product Warranty
30 years limited warranty on
product quality



WWW.LUXRA.CH

22.5%

MODULE
EFFICIENCY

0-3%

POWER
TOLERANCE

<2%

FIRST YEAR
POWER DEGRADATION

0.4%

YEAR 2-30
POWER DEGRADATIONINNOVATION SMBB
& HALF CUT CELLS

LOWER OPERATION TEMPERATURE

ELECTRICAL DATA AT STC*

Peak Power (Pmax)	(W)	450
Maximum Power Voltage (Vmp)	(V)	33,07
Maximum Power Current (Imp)	(A)	13,61
Open-circuit Voltage (Voc)	(V)	39,73
Short-circuit Current (Isc)	(A)	14,22
Module Efficiency	(%)	22,54
Operating Temperature		- 40° ~ + 85° C
Maximum System Voltage		1500V
Maximum Series Fuse Rating		25A
Power Tolerance		0~+3%
Mechanical Test Load		Front - 5400Pa - Rear - 2400Pa

*STC (Standard Test Condition): Irradiance 1000W/ m2, Module Temperature 25° C, AM 1.5

ELECTRICAL DATA AT NMOT*

Peak Power (Pmax)	(W)	339
Maximum Power Voltage (Vmp)	(V)	30,82
Maximum Power Current (Imp)	(A)	11
Open-circuit Voltage (Voc)	(V)	37,64
Short-circuit Current (Isc)	(A)	11,48

*NMOT (Under Nominal Module Operating Temperature), Irradiance of 800W/ m2, Spectrum AM 1.5, Ambient Temperature 20°, Wind Speed 1m/s

TEMPERATURE CHARACTERISTICS

Temperature coefficient of Pmax	- 0,29%/k
Temperature coefficient of Voc	- 0,25%/k
Temperature coefficient of Isc	0,04%/k
NMOT	43 ± 2° C

MECHANICAL DATA

Cell Type	Mono-Crystalline N-TYPE TOPCon
Cell Arrangement	108pcs (2(6x9))
Dimensions (LxWxH)	1762 x 1134 x 30 mm 1,99 m²
Weight	22,5 kg
Front Cover	1.6 mm high transmittance, AR coated tempered glass
Back Cover	1.6 mm high transmittance, heat strengthened glass
Frame	Black coated Aluminium Alloy
Junction Box	IP68, 3 Bypass Diodes
Cable Type	4mm²
Length of Cable	1000 mm
Connector	Compatible with MC4 PV Connector

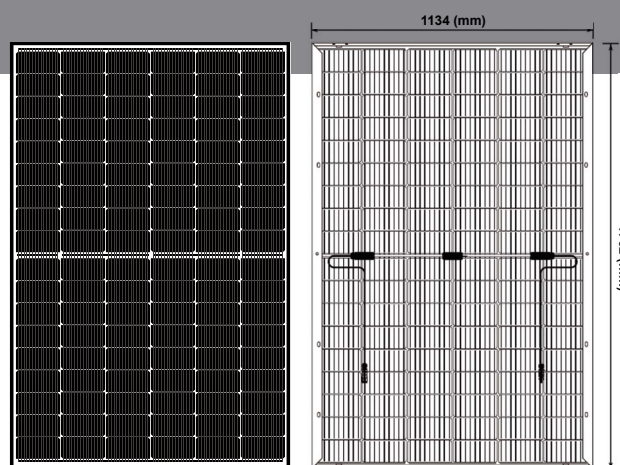
PACKAGING

Packing Type	40 ft HQ
Piece/ Pallet	36
Piece/ Container	936

WARRANTY

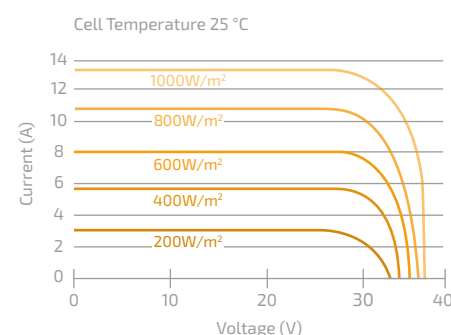
Product Material & Workmanship	30 years
Linear Performance Warranty	30 years

The information contained in these specifications is subject to change without prior notice. Luxra International B.V. reserves the exclusive right to final interpretation of all content.

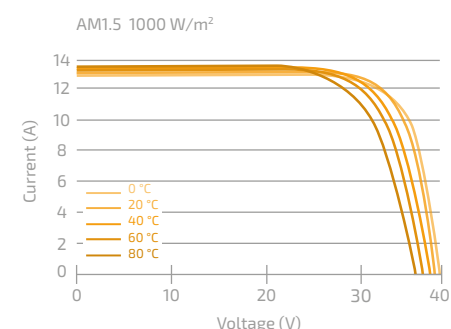


IV Curves for Front-Side Illumination of 450 Wp Panel

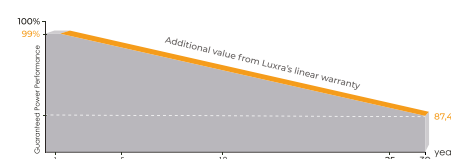
CURRENT - VOLTAGE CURVE UNDER DIFFERENT IRRADIANCE



CURRENT - VOLTAGE CURVE UNDER DIFFERENT WORKING TEMPERATURES



LINEAR PERFORMANCE WARRANTY

Email us:
info@luxra.chContact us:
+41 41 5331195Holding: Riedstrasse 7, CH - 6330 Cham, Switzerland
Sales: Schoterlandseweg 45, NL - 8451 KA Oudeschoot, The Netherlands

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