

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 500 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.

SME RELIABLE VERY HIGH POWER**LUXRA® PURE MODULE LX-500N**

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

22.9%

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*

		LX-500	LX-505	LX-510	LX-515
Peak Power (Pmax)	(W)	500	505	510	515
Maximum Power Voltage (Vmp)	(V)	33,33	33,53	33,73	33,93
Maximum Power Current (Imp)	(A)	15,00	15,06	15,12	15,18
Open-circuit Voltage (Voc)	(V)	40,07	40,32	40,57	40,82
Short-circuit Current (Isc)	(A)	15,9	15,96	16,01	16,07
Module Efficiency	(%)	22,3	22,5	22,7	22,9
Operating Temperature		- 40° ~ + 85° C			
Maximum System Voltage		1500V			
Maximum Series Fuse Rating		30A			
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*

		LX-500	LX-505	LX-510	LX-515
Peak Power (Pmax)	(W)	381	384	389	393
Maximum Power Voltage (Vmp)	(V)	31,32	31,52	31,72	31,92
Maximum Power Current (Imp)	(A)	12,16	12,18	12,26	12,32
Open-circuit Voltage (Voc)	(V)	38,06	38,33	38,6	38,87
Short-circuit Current (Isc)	(A)	12,79	12,81	12,87	12,93

*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	0,045%/k
NMOT	41 ± 3° C

MECHANICAL DATA

Cell Type	Mono-Crystalline N-TYPE TOPCon
Cell Arrangement	108pcs (2(6x9))
Dimensions (LxWxH)	1961 x 1134 x 30 mm
Weight	23,7 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	4mm ²
Length of Cable	1200 mm
Connector	Compatible with MC4 PV Connector

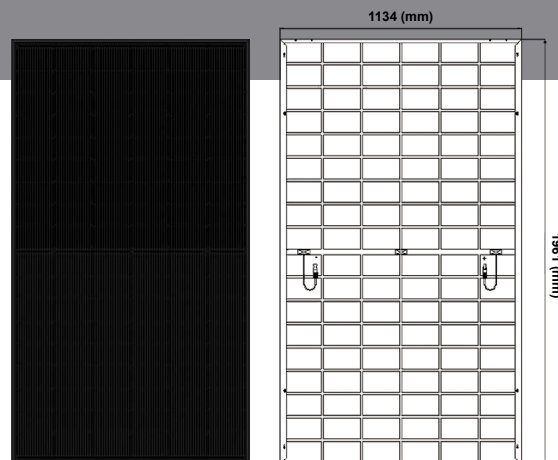
PACKAGING

Packing Type	40 ft HQ
Piece/ Pallet	36
Piece/ Container	864

WARRANTY

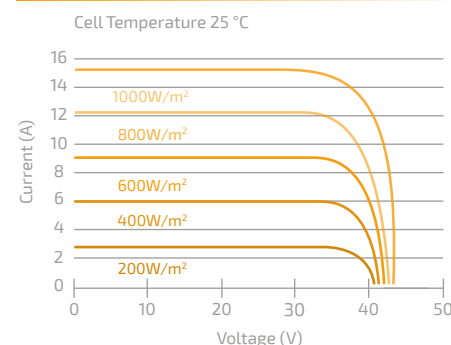
Product Material & Workmanship	30 years
Linear Performance Warranty	30 years

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.

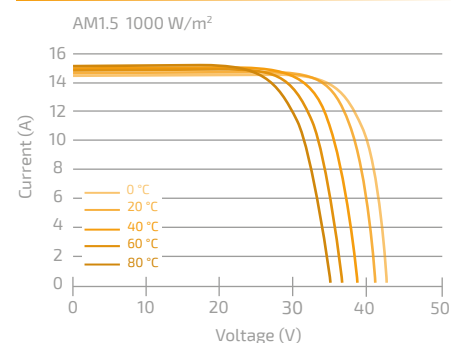


IV Curves for Front-Side Illumination of 500 Wp Panel

CURRENT - VOLTAGE CURVE UNDER DIFFERENT IRRADIANCE



CURRENT - VOLTAGE CURVE UNDER DIFFERENT WORKING TEMPERATURES



LINEAR PERFORMANCE WARRANTY

