

# 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 700 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

Fully compatible with mainstream system designs. Generate high revenues due to dual sided power generation with significantly lower operating temperatures. Lower EPC and BOS costs, increase's your project yield.

UTILITY SCALE EFFICIENT AND BANKABLE

**LUXRA® PURE MODULE LX-700N**

# THE POWERFUL AND RELIABLE SOLAR MODULE FOR MULTI-APPLICATION SOLUTIONS



Performance Guarantee  
30 years linear power  
output warranty



Product Warranty  
30 years limited warranty on  
product quality



[WWW.LUXRA.CH](http://WWW.LUXRA.CH)

**22.53%**

MODULE EFFICIENCY

**0-3%**

POWER TOLERANCE

**<2%**

FIRST YEAR POWER DEGRADATION

**0.4%**

YEAR 2-30 POWER DEGRADATION

**INNOVATION SMBB & HALF CUT CELLS**

LOWER OPERATION TEMPERATURE

**ELECTRICAL DATA AT STC\***

Peak Power (Pmax)	(W)	700
Maximum Power Voltage (Vmp)	(V)	39,33
Maximum Power Current (Imp)	(A)	17,80
Open-circuit Voltage (Voc)	(V)	47,26
Short-circuit Current (Isc)	(A)	18,89
Module Efficiency	(%)	22,53
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\***

Peak Power (Pmax)	(W)	529
Maximum Power Voltage (Vmp)	(V)	36,94
Maximum Power Current (Imp)	(A)	14,32
Open-circuit Voltage (Voc)	(V)	45,13
Short-circuit Current (Isc)	(A)	15,21

\*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	- 0,30%/k
Temperature coefficient of Pvo	- 0,25%/k
Temperature coefficient of Isc	0,04%/k
NMOT	43 ± 2° C

**MECHANICAL DATA**

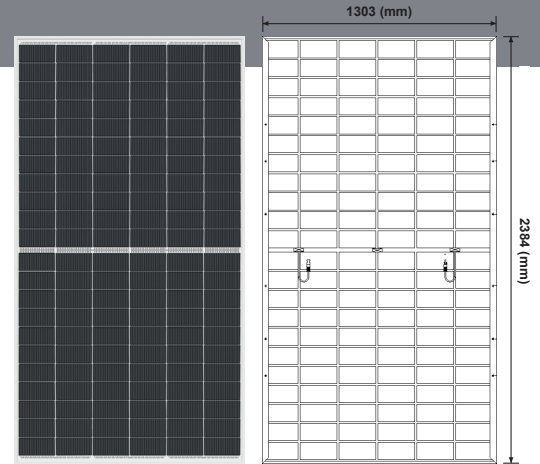
Cell Type	Mono-Crystalline N-TYPE TOPCon, 210*105mm
Cell Arrangement	132pcs (2(6x11))
Dimensions (LxWxH)	2384 x 1303 x 35 mm
Weight	38 kg
Front Cover	2.0 mm high transmittance, AR coated tempered glass
Back Cover	2.0 mm high transmittance, heat strengthened glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68, 3 Bypass Diodes
Cable Type	4mm <sup>2</sup>
Length of Cable	1400 mm
Connector	Compatible with MC4 PV Connector

**PACKAGING**

Packing Type	40 ft HQ
Piece/ Pallet	31
Piece/ Container	558

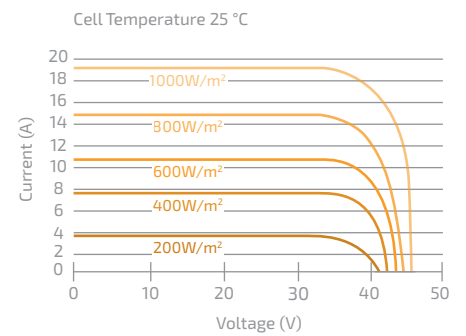
**WARRANTY**

Product Material & Workmanship	30 years
Linear Performance Warranty	30 years

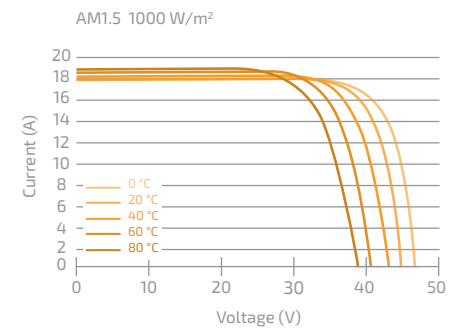


**IV Curves for Front-Side Illumination of 700 Wp Panel**

**CURRENT - VOLTAGE CURVE UNDER DIFFERENT IRRADIANCE**



**CURRENT - VOLTAGE CURVE UNDER DIFFERENT WORKING TEMPERATURES**



**LINEAR PERFORMANCE WARRANTY**

