luxra®

PURE ENERGY



LOW REFLECTION and HIGH TRANSMITTANCE

Suitable for applications with severe Glare requirements (e.g. next to roads or airports and residential complexes), maximum transparency of 35%. Also available in deeply textured Anti-Glare glass.

HIGHEST PERFORMANCE

Excellent N-type TOPCon bifacial cell efficiency for output up to maximum performance of 485 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

Transparent design, optional with elegant black framework, together with double glass for technical security. Reliable for your free clean energy.

AGRICULTURAL AND **SOLARPARKING**

LUXRA® PURE HARVEST LX-300N | LX-485N

THE POWERFUL AND RELIABLE SOLAR MODULE FOR AGRI-PV SOLUTIONS

SOLARIF CERTIFIED

Inherent defect coverage for certified panels with inline-quality inspection

30 YEARS GUARANTEED

Performance Guarantee 30 years linear power output warranty

30 YEARS WARRANTY

Product Warranty 30 years limited warranty on product quality

SWISS BRAND

Certified B® Corporation

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LUXRA® PURE HARVEST LX-300N | LX-485N (TOPCON) TECHNICAL DATA

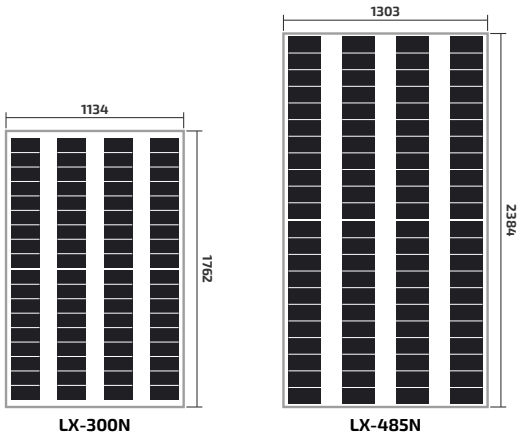
FOR **AGRICULTURAL** AND **SOLARPARKING** APPLICATIONS WITH MAXIMUM TRANSPARENCY OF 35%

15.61%	0-3%	<2%	0.4%	INNOVATION SMBB & HALF CUT CELLS
MODULE EFFICIENCY	POWER TOLERANCE	FIRST YEAR POWER DEGRADATION	YEAR 2-30 POWER DEGRADATION	LOWER OPERATION TEMPERATURE

ELECTRICAL DATA AT STC*

		LX-300N	LX-485N
Peak Power (Pmax)	(W)	300	485
Maximum Power Voltage (Vmp)	(V)	22,80	27,58
Maximum Power Current (Imp)	(A)	13,16	17,59
Open-circuit Voltage (Voc)	(V)	25,83	33,07
Short-circuit Current (Isc)	(A)	13,68	18,54
Module Efficiency	(%)	15,01	15,61
Operating Temperature		- 40° ~ + 85° C	
Maximum System Voltage		1500V	
Maximum Series Fuse Rating		25A	30A
Power Tolerance		0~+3%	

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



ELECTRICAL DATA AT NMOT*

		LX-300N	LX-485N
Peak Power (Pmax)	(W)	228	369
Maximum Power Voltage (Vmp)	(V)	21,71	26,26
Maximum Power Current (Imp)	(A)	10,50	14,03
Open-circuit Voltage (Voc)	(V)	24,46	31,32
Short-circuit Current (Isc)	(A)	11,70	15,86

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

TEMPERATURE CHARACTERISTICS

	LX-300N	LX-485N
Temperature coefficient of Pmax	- 0,29%/k	- 0,32%/k
Temperature coefficient of Voc	- 0,25%/k	- 0,26%/k
Temperature coefficient of Isc	0,04%/k	0,046%/k
NMOT	43 ± 2° C	

MECHANICAL DATA

	LX-300N	LX-485N
Cell Type	Mono-Crystalline N-TYPE TOPCon	
Cell Arrangement	72pcs (2(4x9))	88pcs (2(4x11))
Dimensions (LxWxH)	1762 x 1134 x 30 mm	2384 x 1303 x 33 mm
Weight	21,8 kg	36 kg
Front Cover	1.6 / 2.0 mm AR coated tempered glass	
Back Cover	1.6 / 2.0 mm heat strengthened glass	
Frame (optional)	Anodized Aluminium Alloy	
Junction Box	IP68, 2 Bypass Diodes	
Cable Type	4mm²	
Length of Cable	1000 mm	2 x 300 mm or custom
Connector	Compatible with MC4 PV Connector	
Mechanical Test Load	Front - 5400Pa - Rear - 2400Pa	

PACKAGING

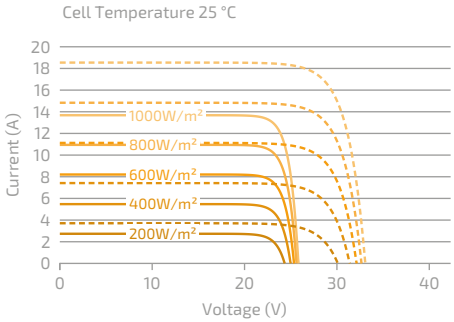
	LX-300N	LX-485N
Packing Type	40 ft HQ	
Piece/ Pallet	36	33
Piece/ Container with frame	936	594

WARRANTY

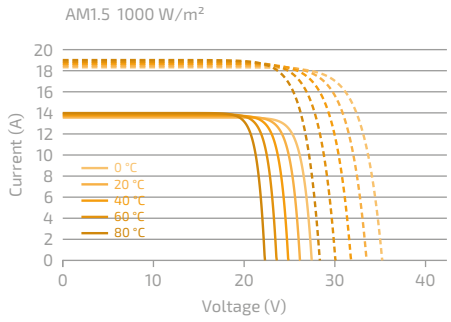
Product Material & Workmanship	30 years
Linear Performance Warranty	30 years - 87,4%
Linear attenuation per year within 30 years	0,40%

IV Curves: 300 Wp (solid) / 485 Wp (dashed)

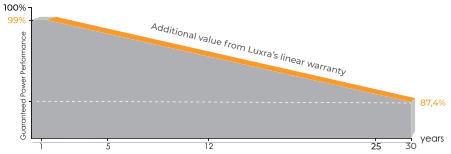
CURRENT - VOLTAGE CURVE UNDER DIFFERENT IRRADIANCE



CURRENT - VOLTAGE CURVE UNDER DIFFERENT WORKING TEMPERATURES



LINEAR PERFORMANCE WARRANTY



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