



Announcement

Swiss Luxra Group releases Datasheet “Harvest” PV module.

Cham, 2024-10-14

We are pleased to announce that the development of our Luxra® Pure Harvest Module LX-300 - 390 TOPCon has been successfully completed and they are now available for orders. These modules, with their high transparency, are perfectly suited for agricultural applications where light transmission and crop protection are required. They are also ideal for installation on barns and car parks. Available both with and without a frame. See the attached datasheet for more information. These Swiss quality PV modules excel in their high resistance to hail, snow load, and wind pressure. Why settle for less?

Wir freuen uns, Ihnen mitteilen zu können, dass die Entwicklung unserer Luxra® Pure Harvest Module LX-300 - 390 TOPCon erfolgreich abgeschlossen wurde und sie ab sofort bestellbar sind. Diese Module mit ihrer hohen Transparenz eignen sich hervorragend für landwirtschaftliche Anwendungen, bei denen Lichtdurchlässigkeit und Pflanzenschutz erforderlich sind. Sie sind auch ideal für die Installation auf Ställen und Parkplätzen. Erhältlich sowohl mit als auch ohne frame. Weitere Informationen finden Sie im beigefügten Datenblatt. Diese PV-Module in Schweizer Qualität zeichnen sich durch ihre hohe Widerstandsfähigkeit gegen Hagel, Schneelast und Winddruck aus. Warum sich mit weniger zufrieden geben?

#RenewableEnergy #SolarPower #SwissLuxra #SustainableFuture #LuxraPure

**AGRICULTURAL AND SOLARPARKING**

**LUXRA® PURE HARVEST MODULE LX-300N**

**THE POWERFUL AND RELIABLE SOLAR MODULE FOR AGRI-PV SOLUTIONS**

**LOW REFLECTON AND HIGH TRANSMITTANCE**  
Suitable for applications with severe electrical stress (e.g. roof-top) or for high-temperature regions, results in a transparency of 30%.

**HIGHEST PERFORMANCE**  
Excellent module efficiency, cell efficiency for up to maximum performance of 22.8% available.

**LIGHT WEIGHT**  
Low module weight with double glass for higher high static load on front side and high load resistance.

**DESIGN AND SECURITY**  
Transparent design, optimal with digital back-fluorescence together with double glass for technical security, suitable for your farm clean energy.

**30 YEARS WARRANTY** Performance Guarantee 30 years linear power output warranty

**30 YEARS WARRANTY** Product Warranty 30 years limited non-prorated warranty

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**LUXRA® PURE HARVEST LX-300N-54HC-BFGG (TOPCON) TECHNICAL DATA**

**15.01% MODULAR EFFICIENCY** | **0-3% POWER TOLERANCE** | **<2% HIGH-YIELD POWER DEGRADATION** | **0.4% YEARLY LOSS POWER DEGRADATION** | **INNOVATION 5MBB & HALF CUT CELLS** (UPPER 18mm BY 18mm MODULE)

**ELECTRICAL DATA AT STC\***

Peak Power (P <sub>max</sub> )	(W)	599
Maximum Power Voltage (V <sub>mp</sub> )	(V)	22.82
Maximum Power Current (I <sub>mp</sub> )	(A)	26.25
Open Circuit Voltage (V <sub>oc</sub> )	(V)	26.83
Short-Circuit Current (I <sub>sc</sub> )	(A)	3.86
Module Efficiency	(%)	15.01
Operating Temperature	(°C)	-40 ~ +107
Maximum System Voltage	(V)	1500
Maximum Series Fuse Rating	(A)	25A
Power Tolerance	(%)	±0.3%

\*STC: Standard Test Conditions: Irradiance: 1000W/m<sup>2</sup>, Module Temperature: 25°C, AM1.5 Global Solar Radiation: 1000W/m<sup>2</sup>, Air Mass: 1.5, 1000h/yr, 20-year life.

**ELECTRICAL DATA AT NHD\*\***

Peak Power (P <sub>max</sub> )	(W)	228
Maximum Power Voltage (V <sub>mp</sub> )	(V)	21.7
Maximum Power Current (I <sub>mp</sub> )	(A)	10.50
Open Circuit Voltage (V <sub>oc</sub> )	(V)	26.48
Short-Circuit Current (I <sub>sc</sub> )	(A)	1.70

\*\*NHD: Under Normal Module Operating Temperature, Irradiance of 800W/m<sup>2</sup>, Spectra in AM 1.5, Ambient Temperature is 25°C, Wind Speed: 1m/s

**TEMPERATURE CHARACTERISTICS**

Temperature coefficient of P <sub>max</sub>	-0.27%/K
Temperature coefficient of V <sub>oc</sub>	-0.25%/K
Temperature coefficient of I <sub>sc</sub>	0.01%/K
K <sub>REL</sub>	1.0 ± 0.2%

**MECHANICAL DATA**

Mechanical Test Load	Front: 5400Pa, Rear: 2400Pa
Cell Type	Monocrystalline N-Type TOPCon
Cell Arrangement	72cell (6x12)
UV-resistant Backsheet	72cell (6x12) in 33mm <sup>2</sup>
Weight	7.1 ± 0.1kg
Frame Color	16mm high transparent aluminum composite glass
Back Cover	3mm High Transmittance Heat-Resistant Glass
Frame (optional)	Anodized Aluminum Alloy with black coating
junction box	IP65, 4 bypass Diodes
Cable Type	4mm <sup>2</sup>
Length of Cable	600mm
Connectors	Original MC4 PV Connector

**PACKAGING**

Packing Type	1/33/40
Pieces/Pallet	36
Pieces/Container	636 (with frame)

**WARRANTY**

Product Material & Workmanship	30 years
Linear Performance Guarantee	30 years - 87.0%
Linear degradation per year within 30 years	0.02%

**CE** **IEC** **UL** **ISO** **RoHS**

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## **About Swiss Luxra**

**Swiss Luxra Holding AG** is a Swiss holding company of which the brand was founded in the year 2010. It is a renewable energy solution provider company, with a major focus on producing high-quality Solar photovoltaic (PV) modules. The company with its diversified geographical locations is headquartered in Cham, Canton of Zug, Switzerland.

Operating across a multitude of geographical locations and verticals in the renewable energy market, Luxra is globally recognized and respected as a strong brand. Initially part of Fortune Top 500 company Saint-Gobain Building Distribution Deutschland (SGBDD) GmbH, which specialized in solar PV solutions for Germany and Europe, the Swiss Luxra Group acquired the brand and products from SGBDD in 2014, continuing operations in the global solar PV industry. Following this highly successful acquisition, Luxra became fully independent, with sales managed entirely by Swiss Luxra. This strategic independence allowed Luxra to expand its business portfolio and strengthen its presence in Germany and other European markets.

Luxra continues to serve existing, loyal customers with unparalleled high-quality, innovative products and services with a fresh focus while ambitiously targeting new customers. The company offers a range of advanced, cutting-edge solar PV products, including the Luxra® Pure (HD) module line, which features high-end, efficient, and elegantly designed solar PV modules. Luxra strategically specializes in crystalline silicon technology, offering a wide range of N-Type crystalline and TOPCon crystalline solar PV modules, all bifacial

In addition to its superior product offerings, Luxra provides comprehensive project management solutions, ensuring the seamless and successful implementation of solar energy projects through a meticulous project management life cycle approach. Luxra is well-established in Europe, India, North America, the United Kingdom, and Indonesia, with a team of highly qualified managers, engineers, solar energy specialists, technicians, and EPC experts. As a reliable, renowned and established provider of all-encompassing solar energy solutions, Luxra delivers high-quality top-tier products and services to customers all down to the end users worldwide.

In 2017, Luxra became the first Swiss company to initiate solar PV module sales in India through an OEM business model. Today, Luxra India proudly stand to be the first international company who started its own solar PV module manufacturing in India, aiming to ramp up to a 1GW+ high-quality solar PV module and cell manufacturing facility. This state-of-the-art facility will supply Swiss-branded modules manufactured in India to the global market marking another milestone in Luxra's illustrious journey.