

MORE OPTIONS

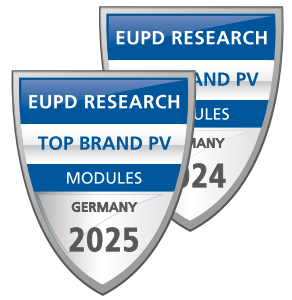
MORE DESIGNS

MORE FLEXIBILITY

ECO LINE
N-TYPE TOPCON
SOLAR MODULES



MORE OPTIONS MORE DESIGNS MORE FLEXIBILITY



Luxor Solar expands its portfolio with the N-Type TOPCon technology with even more high-performance solar modules.

In addition to higher efficiency, high durability, and higher yield per area and runtime, the ECO LINE TOPCON GLASS-GLASS solar modules impresses with their enormous flexibility and their 30 years warranties.

ECO LINE N-TYPE TOPCON

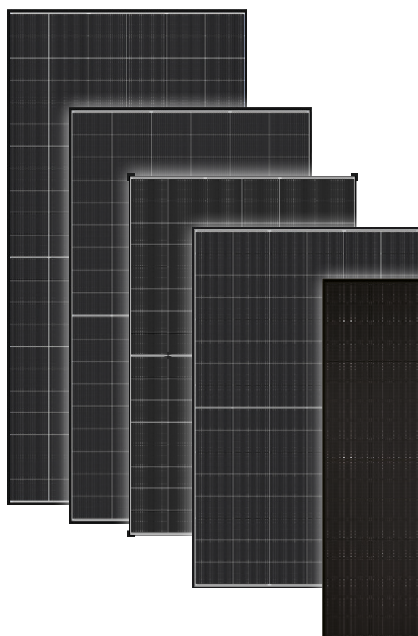
THE RIGHT MODULE FOR EVERY APPLICATION

The ECO LINE N-TYPE TOPCON Glass-Glass Series sets new standards in durability and safety. These high-end modules are equipped with bifacial solar cells and deliver outstanding efficiency thanks to state-of-the-art manufacturing technology. The proven 30-year linear performance and product warranty underscores their exceptional quality and reliability.

Luxor Solar premium solar modules are available in various wafer sizes to ensure optimal adaptation to a wide range of applications. Most modules in the series feature a standardized width of 1134 mm, facilitating easy system design and planning.

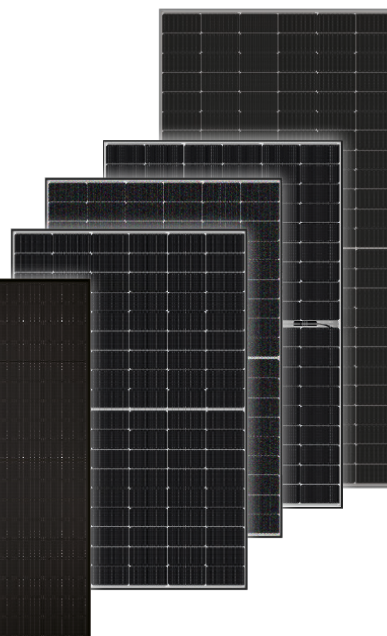
ECO LINE TOPCON GLASS-GLASS 182R

- + WHITE MESH
- + TRANSPARENT
- + FRAMELESS
- + BLACK FRAME
- + FULL BLACK



ECO LINE TOPCON GLASS-GLASS 182

- + WHITE MESH
- + TRANSPARENT
- + NON REFLECT
- + BLACK FRAME
- + FULL BLACK

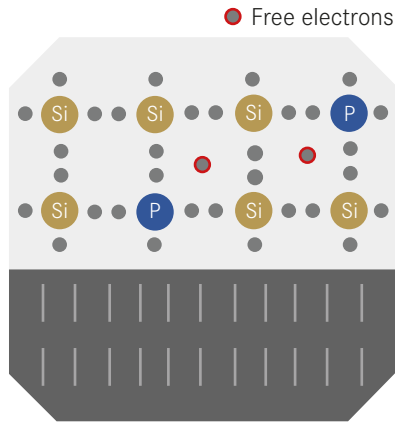


N-TYPE TOPCON

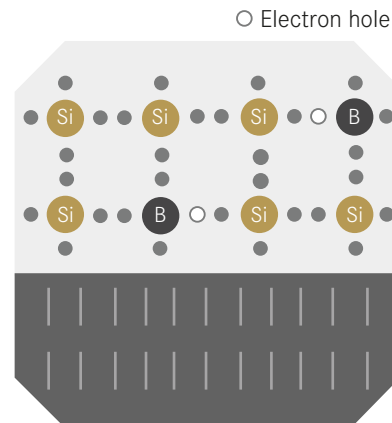
TECHNOLOGY - CELL CONSTRUCTION

The N-Type TOPCon technology is based on an n-doped crystalline silicon wafer.

This cell structure is responsible for the efficiency advantage over conventional cell technologies.



N-Type solar cells



P-Type solar cells

Photovoltaic cells differ in their layer structure into negatively charged N-Type cells and positively charged P-Type cells. In N-Type cells, the base layer is doped with phosphorus. This has one electron more than silicon, which generates free electrons.

These free electrons enable the higher efficiency of N-Type cells. They are responsible for the low power losses and prevent PID and LID phenomena.

- + No PID Potential-induced degradation
- + No LID Light-Induced Degradation
- + High efficiency

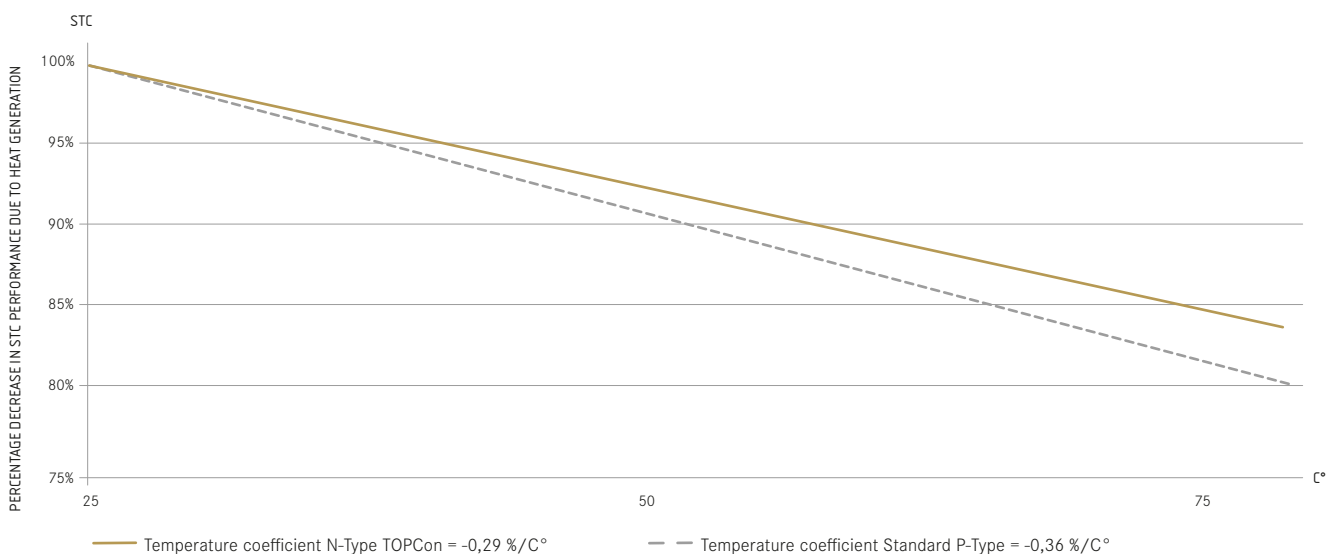
HIGHER EFFICIENCY

BETTER TEMPERATUR BEHAVIOR

The N-Type TOPCon cell has a better temperature behaviour compared to conventional cells.

The temperature coefficient describes the performance of the

modules at fluctuating temperatures. The power output decreases as the temperature rises.



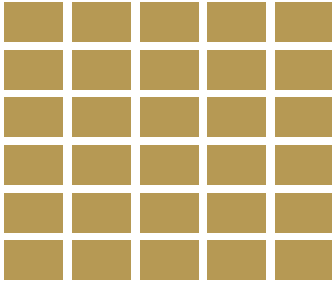
PERFORMANCE & GUARANTEES

REDUCTION OF BOS COSTS

By using ECO LINE N-TYPE TOPCON GLASS-GLASS modules, you can efficiently reduce your BOS costs. Compared to conventional solar modules, these modules generate up to + 3 percent more power on

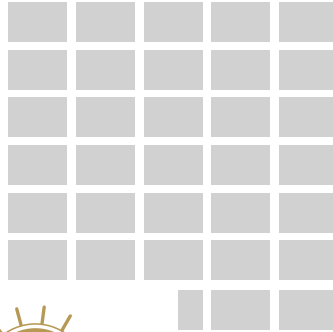
the same area and + 4 percent more power over a 30-year period.

N-TYPE TOPCon-module's area

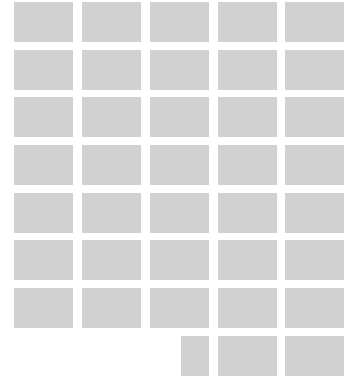


- + 3 % additional yield vs standard module
- + 4 % additional yield over 30 years
- + Less space required
- + Reduced installation effort

Area required with standard modules for the same performance compared to N-TYPE TOPCon modules.



Area requirement with standard modules for the same performance compared to N-TYPE TOPCon modules over a period of 30 years.

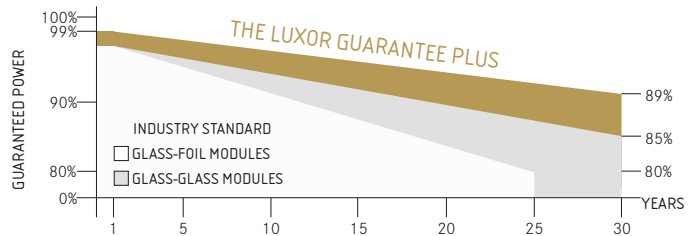


YIELD, SECURITY & GUARANTEES*

The Luxor ECO LINE N-TYPE TOPCon Glass-Glass Bifacial Series offers a wide range of benefits. These high-end premium solar modules are specifically designed for safety- and environmentally-conscious customers who expect the highest quality standards and outstanding performance.

- + Higher performance
- + Reduction of BOS costs
- + Maximum durability
- + Integration of the latest technologies
- + Extended warranties for maximum security
- + Withstands extreme environmental conditions

*Exact guarantee performance of the different ECO LINE N-TYPE TOPCON modules can be found on the respective solar module data sheet.



Luxor, your specialised company



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