

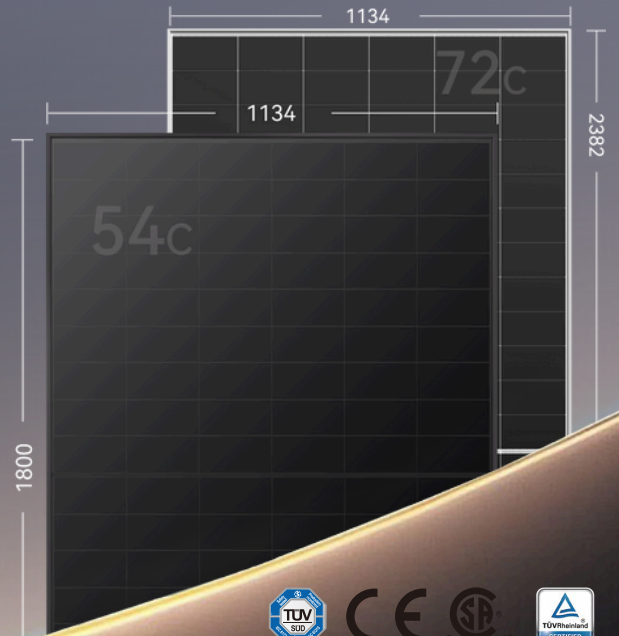
**LONGI**

# Hi-MO X10 **N-type**

## Exceptional Value, Limitless Potential

**24.8%** Maximum Efficiency **670W** Maximum Power

**+8.5%** More energy generation,  
for the same roof area\*



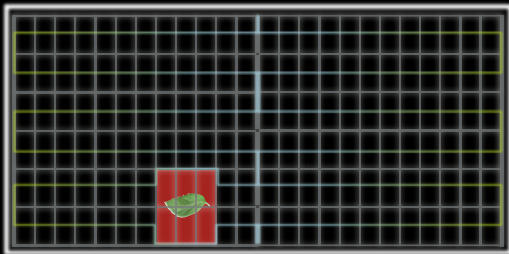
### Shading Optimizer Technology

Power generation in any condition

70%+ of power loss reduction

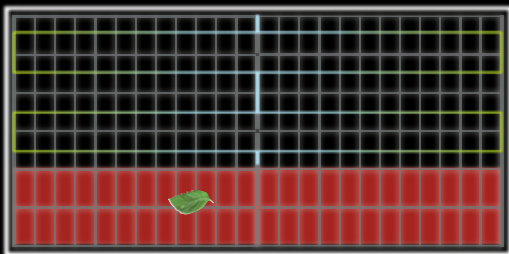
### Hi-MO X10

With our new technology, a shaded cell is individually bypassed, preventing a full-string shutdown and significantly reducing power losses



### Regular Module

Single-cell shading leads to the hard breakdown of the entire string of cells, causing a greater power loss



### Preventing localized overheating

Safety and longevity for a smooth operation



Hi-MO X10

Shading optimizer reduces localized temperature of shaded cell, protecting the whole system against the damages of heat



TOPCon

Shaded cells not only cut power but increase significant in temperature, accelerating aging and damaging the whole panel

Local temperature reduced by **28%+** compared to a regular cell

## 15 + 30 Years Warranty



High Efficiency



Low Temperature Coefficient



Low Degradation



Shading Optimizer



Low Failure Rate

# Residential Rooftop Solar Application

# Hi-MO X10

Extra gains vs mainstream same size TOPCon system

Energy production  
**+12%**

Net Profit  
**+2000€**

Payback Time  
**-2 months**


CO2 Offset  
**+20000kg**

## Project parameters


25 year residential system simulation, 40% self-consumption scenario


 Stuttgart, Germany

 24 solar modules

 Roof angle: 38° tilt

 Feed in tariff 0.14 €/kWh

 Roof area: 260 m<sup>2</sup>

 Consumption tariff 0.26 €/kWh

### TOPCon

### Hi-MO X10

445	Module rated power (W)	485	
12.38	Annual Generation (MWh)	14.05	<b>+13.5%</b>
4.55	Payback Time (years)	4.39	<b>-3.2%</b>
28.3%	Internal Rate of Returns (IRR)	29.1%	<b>0.83%</b>
6,247€	Total System Cost (Euro)	6,720€	<b>+7%</b>



\*Simulations using PVSyst software and real module parameters