

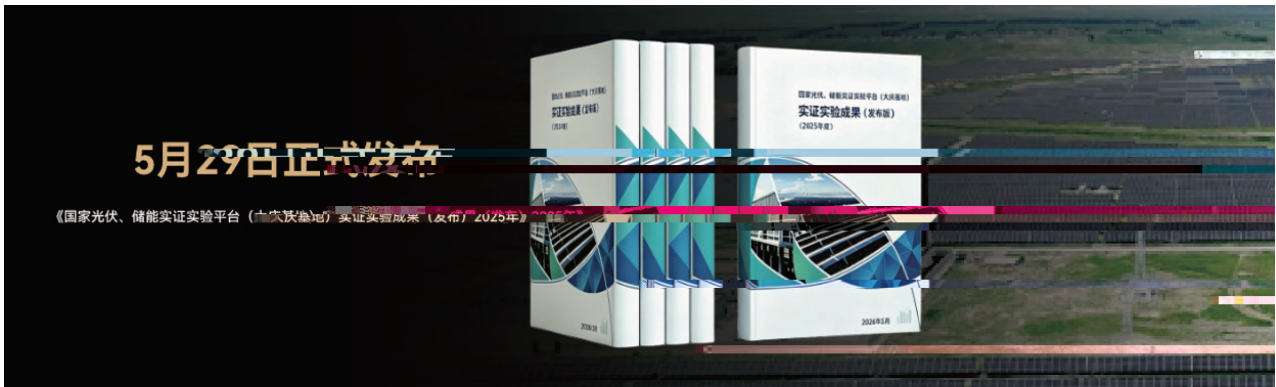
# TOPCon



PERC N  
“ ”

“ ” “ ”

2026 6  
TOPCon



01 大庆基地：全球最具价值的光伏实证平台

02 四年实证验证 TOPCon 持续领先

03 双面率优势创造长期收益

04 TOPCon 多分片优势解析

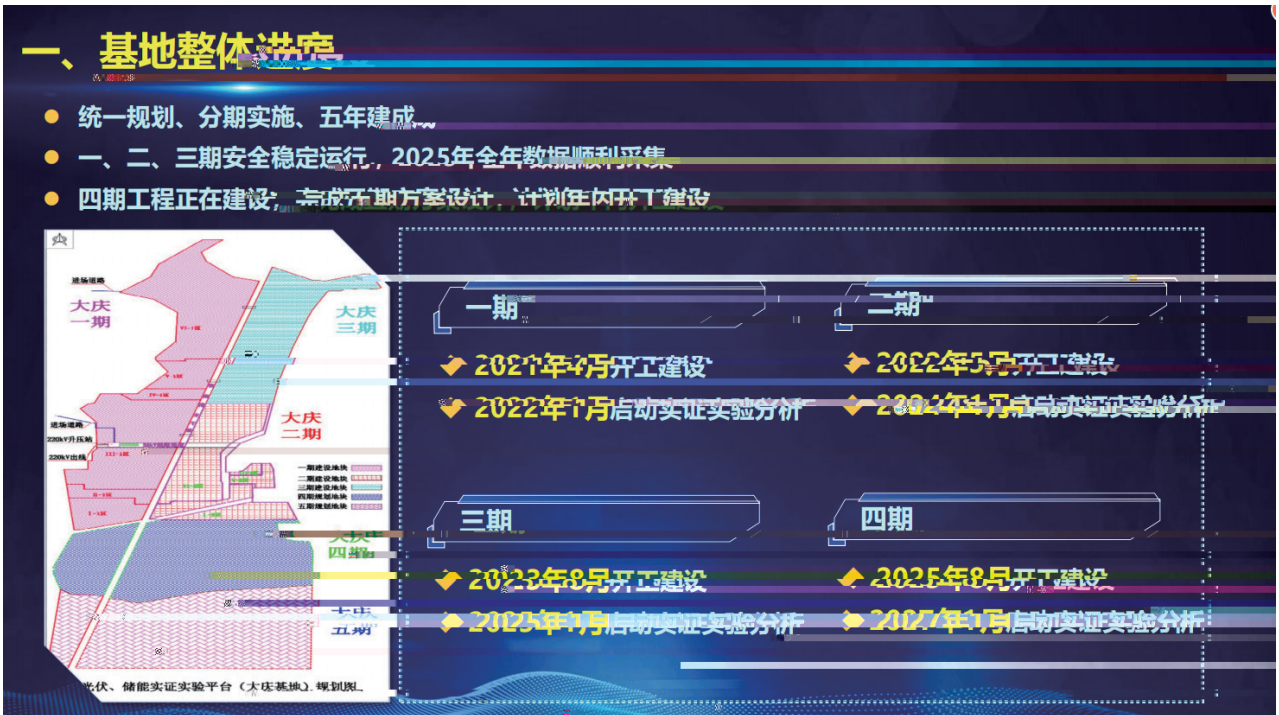
05 晶科 TOPCon 技术演进

# 01

TOPCon HJT BC

PERC

TOPCon



# 02

## TOPCon

2026

TOPCon

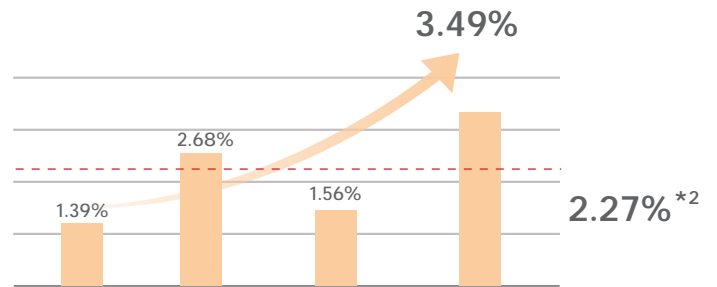
	TOPCon
BC	<b>0.75%</b>
PERC	<b>2.86%</b>
HJT	<b>5.24%</b>

2022—2025 TOPCon **1.25%<sup>\*1</sup>**

1500 1% 1% 100MW 150 25

TOPCon

- 
- TOPCon BC 4
- 



2022 - 2025

	2022	2023	2024	2025
N TOPCon 182mm 144	182.27	175.23	164.14	175.63
N BC 158mm 156	179.77	170.66	161.62	169.71

\*1TOPCon 166mm144

BC158mm156

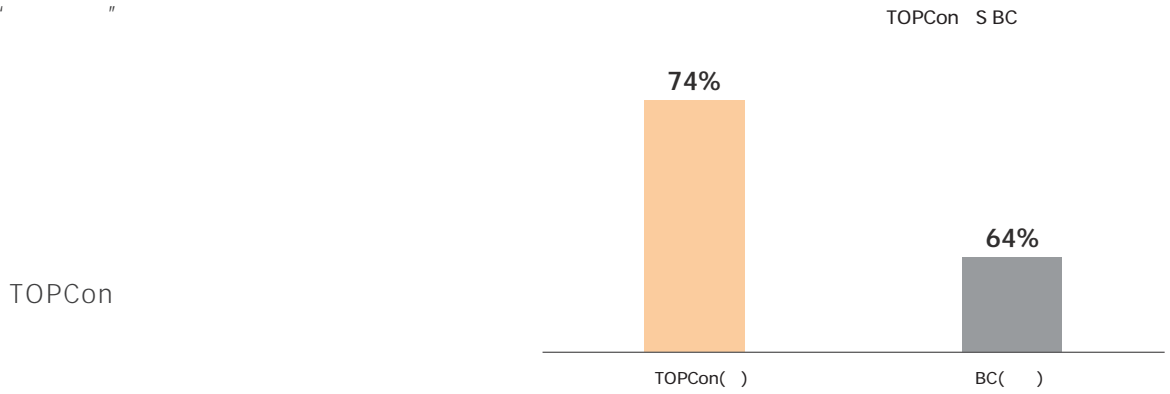
\*2TOPCon 182mm144

BC158mm156

# 03

BC **64%** TOPCon **74%—80%**

• • • •  
" "



( m <sup>2</sup> )	( )	(%)	BC ( W)	TOPCon ( W)	TOPCon s BC (%)
900	25	7-8	793.32	798.86	0.7
		8-9	803.15	814.63	1.43
		9-10	806.77	824.32	<b>2.18</b>
		10-11	803.27	824.38	<b>2.63</b>

V 2%

# 04 TOPCon

## 1.1

1

TOPCon

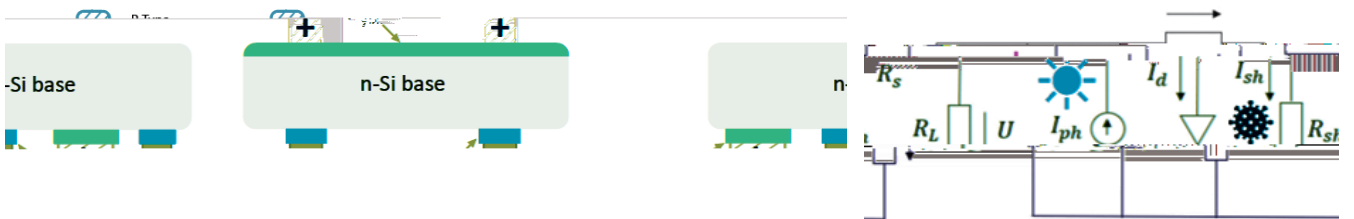
TOPCon

TOPCon TOPCon

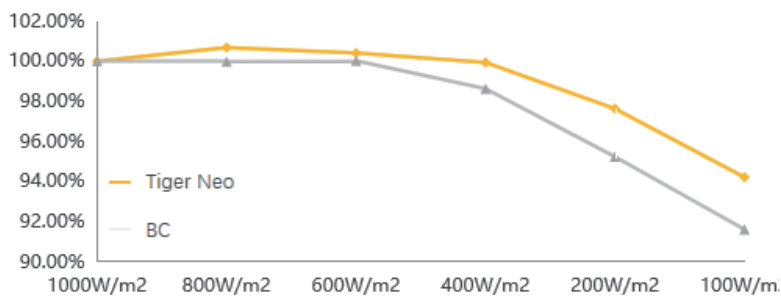
BC TOPCon TOPCon

TOPCon

BC



特性	BC n	B
电极结构	电极位于电池片的正反面	电极在电池片背面交叉指式集成
物理隔离	优势：提供天然的物理隔离，确保正负极之间有良好的绝缘	挑战：相邻的正负极间距极小，导致难以实现有效的隔离
遮挡时的性能	低风险：内部绝缘层有效阻断反向电流，将漏电流维持在极低的水平	高风险：反向电流会横向流动形成短路，导致漏电流失控和电池片过热



200W/m<sup>2</sup>

- Tiger Neo: 95%~98%
- BC: 93%~95%

↑ 2%-3%

# 04 TOPCon

## 1.2

TOPCon

BC

400nm

600nm

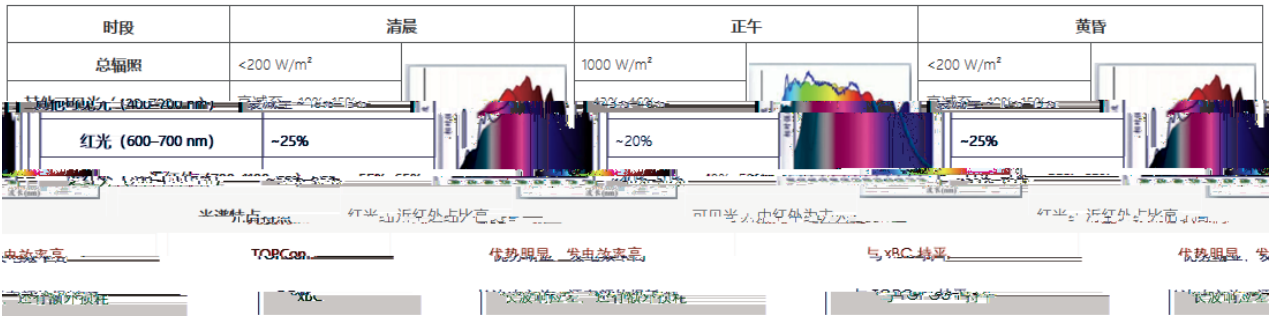
BC

P/N

3

< 30% Npoly

TOPCon



TOPCon

# 04 TOPCon

## 1.3

3

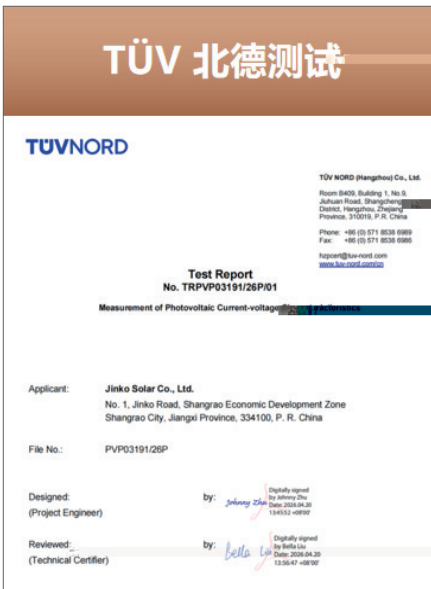
3

3 50% 75%

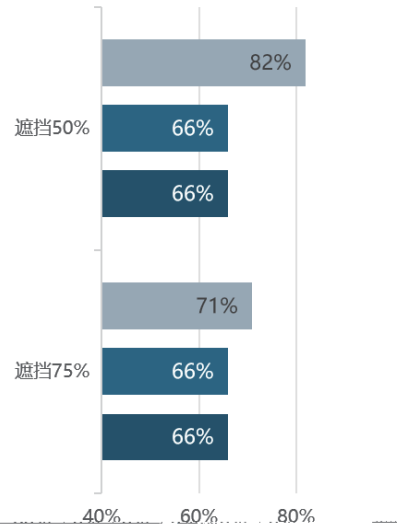
BC 16%

TÜV TÜV

A+



组件留存功率 (%)



■ 飞虎3 ■ XBC ■ 常规 ■ PCCon



# 05 TOPCon

6 1  
TOPCon

5 700W

27% -28%

25.9%

