



01

02 TOPCon

03

04 TOPCon

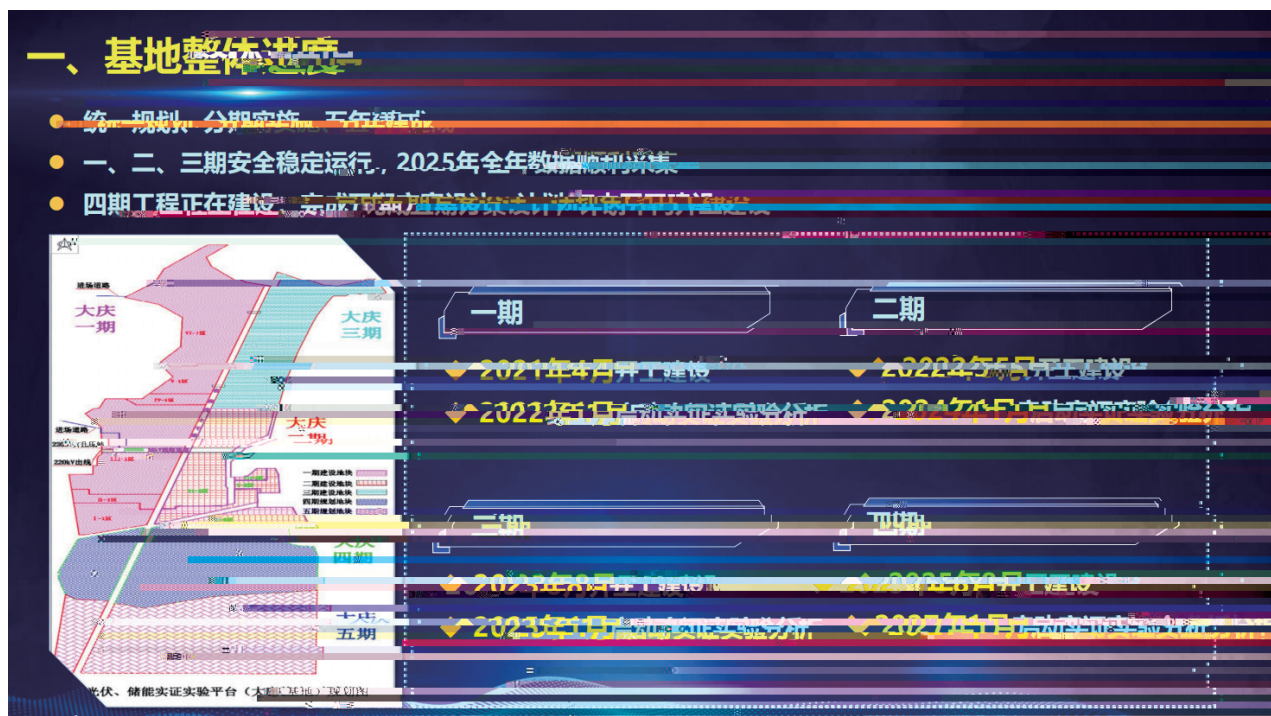
05 TOPCon

01

TOPCm I HJT BC

PERC

TOPCm I



02

RMNA_m I

0.04

TOPC_m I

	TOPC _m I
BC	0.75%
PERC	2.86%
HJT	5.24%

0.00 0.03 TOPC_m I 1.25%

TOPC_m I

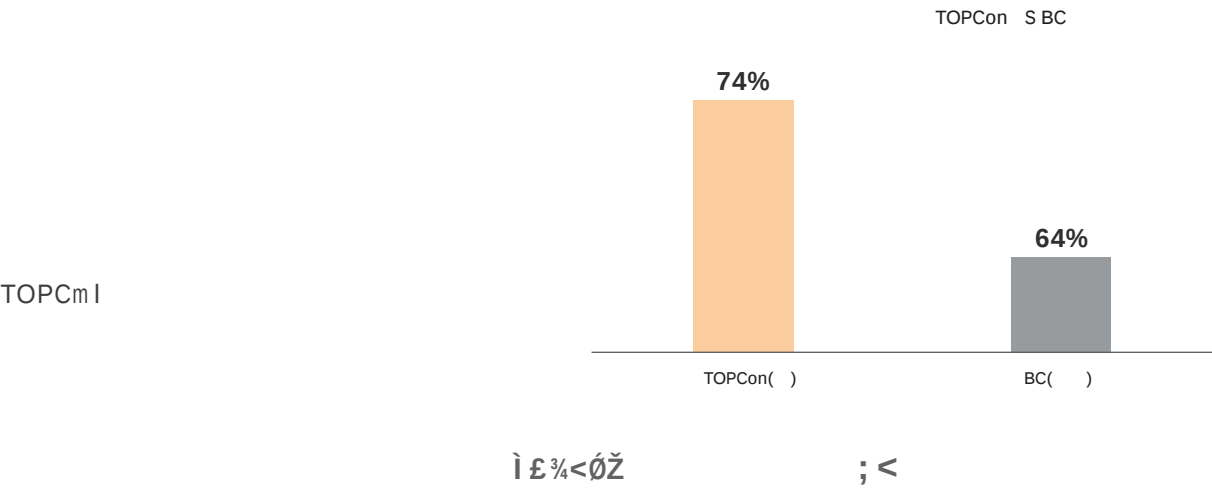
/3. . / # / . . MW /3. 03

TOPC_m I

		2022 -2025				
		2022	2023	2024	2025	
N	TOPCon 182mm 144	182.27	175.23	164.14	175.63	174.32
N	BC 158mm 156	179.77	170.66	161.62	169.71	170.44

BC64%

TOPConI74%—80%



(m²)	()	(%)	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	2.18
		10~11	803.27	824.38	2.63

ì £¼<ŒŽ VÅ ; <2%

04 RMNAm I

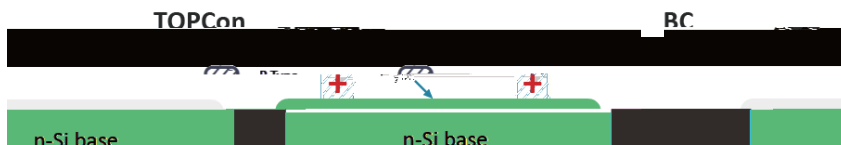
I, I

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TOPCm I

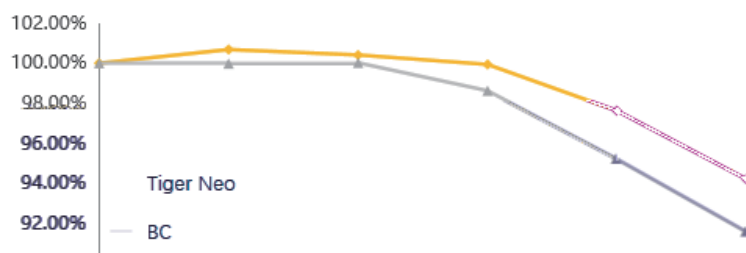
TOPCm I

TOPCm I TOPCm I TOPCm I BC TOPCm I TOPCm I



特性	TOPCon	BC
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，防止遮挡时产生热斑效应	高风险：反向电流会横向流动形成短路，遮挡时易产生热斑效应

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200W/m²

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

↑ 2%-3%

04
RMNAm I

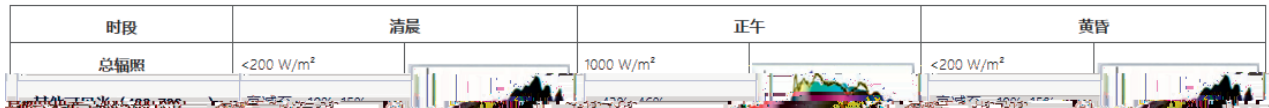
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TOPCm I BC

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BC P-N
1 : 1. # Nnmjw

TOPCm I

时段	清晨		正午		黄昏	
总辐照	<200 W/m ²		1000 W/m ²		<200 W/m ²	
						

TOPCm I

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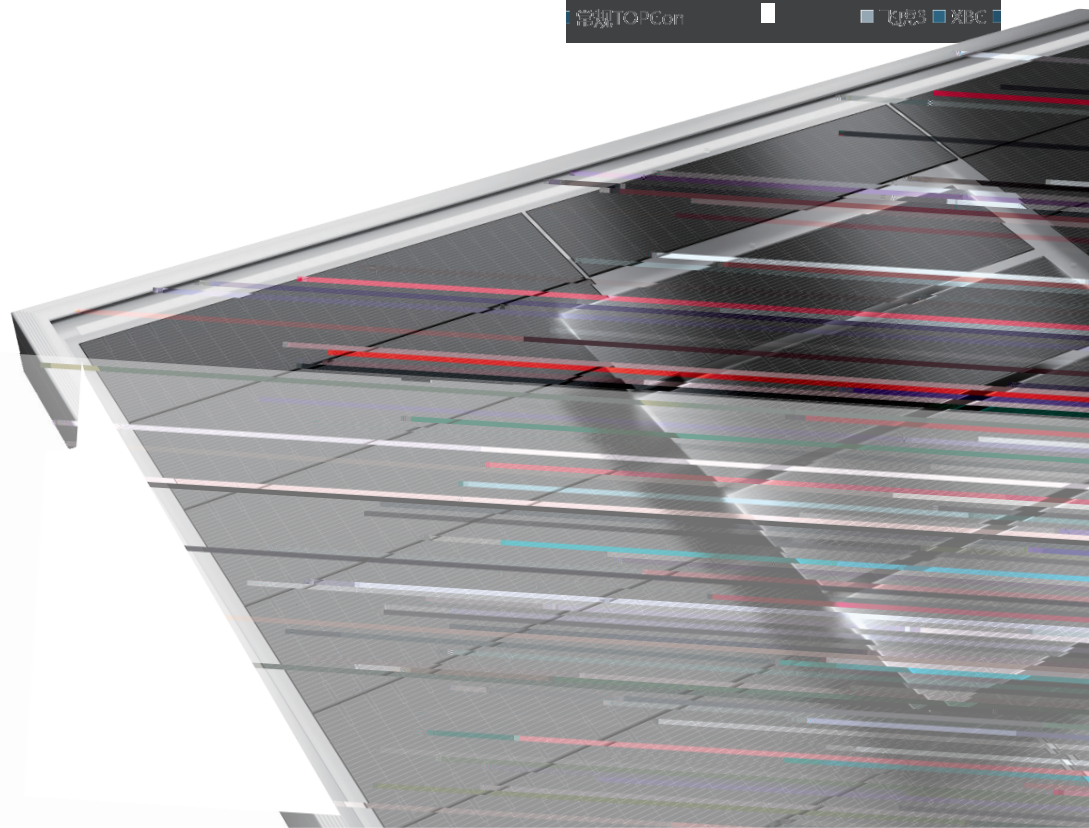
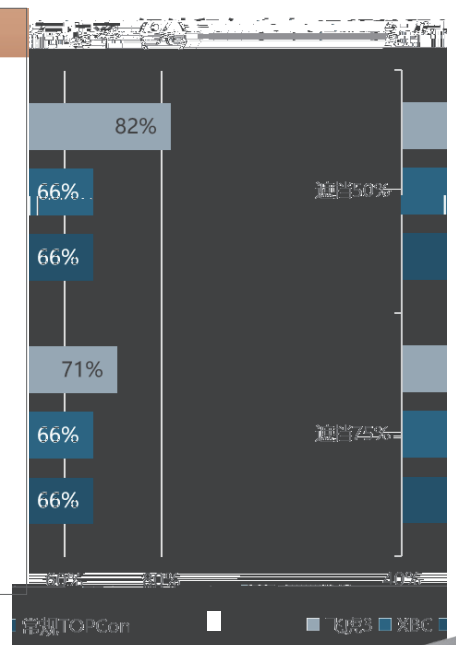
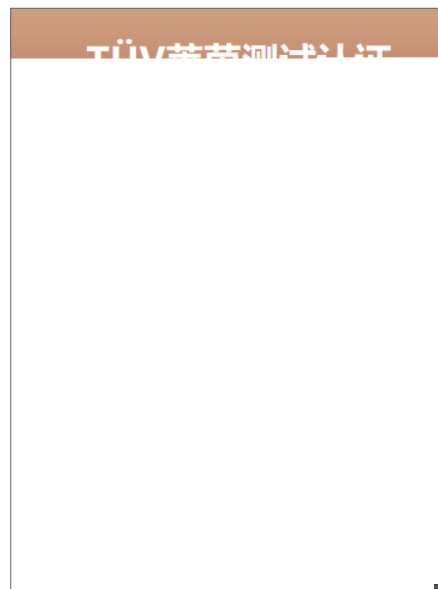
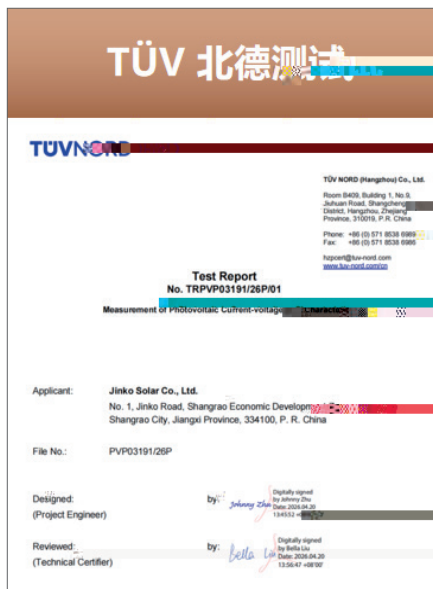
BC

/4 #

TÜV

TÜV

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05 RMNAm I

4 /
TOPCm I

3 5 . . W

05 # +06 #

03,7 #

