

" " " "

"

"

2023

A

2023

A

1

2022

230GW 2007-2022

33.81%

CPIA

2023

78.42GW

154%

2022

CPIA

2023

305-350GW

BOS

N

2 N

P

N

TOPCon

HJT

N

P

2021

N

N

TOPCon

N TOPCon

P PERC

2022 N TOPCon N
N

N 2030 N
TOPCon HJT 80%

2022-2030



CPIA 2022

3 N

N

N

N TOPCon

2023 6 30

N TOPCon

25.5%

PERC

182mm72

N TOPCon

575-580w

PERC

N

2022

N

201.76

2021

N

8.17

2,470%

N

4

" "

2

35

80%

=

/

$$P_1 = \frac{P_0 - D}{1 + N}$$
$$P_1 = \frac{P_0 - D}{1 + N}$$

2

1

2

28GW

28GW

28GW

/

28GW

28GW

28GW

3

18

18

1

3,000,000,000

30%

18

2

18

"

18

2023 4

2013 110

2014 17

2015 31

970,000.00

28GW

28GW

28GW

9

2

	2022	/2022	2023	/2023	2024	/2024
	12	31	12	31	12	31
	1,000,000.00		1,000,000.00		1,300,000.00	
2022					2,669,006.34	
					970,000.00	
					300,000.00	

2023

	2022 12	/2022 31	2023 12	/2023 31	2024 12	/2024 31
		264,550.79		396,826.19		595,239.28
		2,669,006.34		3,020,436.22		4,651,081.06
/		0.30		0.44		0.55
/		0.27		0.40		0.50
%		12.15		15.44		16.53
%		10.94		13.91		14.89

9 —

A

1

" "

2

1

2

17

1

NORD (CNAS) 2,000 UL TUV

3

"

"

2010

120

1

2 —

2

3

4

2013 110

3 —

2023-2025

5%

1

2013 110

2014 17

2015 31

/

3 /

/

/

2023 8 15