

A



Qingdao

1

1978 4

2011 2015

2015

1983 8

2010 2015

2015 2016

2017

1986 1

2012 2015

2015 2018

2018 2019

2019 2020

2020

2

114

19.59%

2

7

20

3

FCC

1 FCC

FCC

2 FCC

3

4

5

3-70nm

7-40nm

130-350cm²/g0.2-1.5cm²/g

6

Pox

POX

7

2019

2020

2021

2022/6/30**2021/12/31****2020/12/31****2019/12/31**

	1.27	2.80	4.29	5.86
	-0.75	-1.25	0.39	0.57
	-0.88	0.66	-1.24	2.42
	5.59%	6.01%	4.62%	5.71%

$$\begin{aligned}
 &= \quad / \\
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 \end{aligned}$$

			/	/

2

3

4

1

FCC

2022				A	
FCC					
2022		1-6		81.09% 40.20%	
		3		/ FCC	
4		/		FCC	
		2.85		/ 5.85 / FCC	
2		/ 4		/ 105.26% 100%	

2

3

4

		2019	2020	2021	2022	1-6
						53.43%
54.55%	57.10	52.40				

5

2019	2020	2021	2022	1-6		
		26,073.30		24,078.40	21,440.36	
7,294.44					77.65%	75.55%
77.12%	51.29%					

1

			34,379.47	32,385.97	28,486.22	
14,406.30					4,285.93	
2,701.52	1,175.42	-472.40			36.44%	28.82%
28.31%	18.46%					

1

		2015		2016		2019	6
		2020	6				
		2020	9				
2020	10						
2020		3					
		2021		2			
				5			

2022		A			
2020		2021			
	2022	1-6	2021	2020	2019

FCC

FCC

2020

FCC

2020

2021

34.90% 100.00% 2022

FCC

2022 1

2022

A

/

	2022	1-6	2021	2020	2019
FCC	12,212.96		12,564.32	12,664.00	13,683.06
	7,264.75		7,510.47	9,246.37	8,697.71
	26,438.66		21,481.47	23,334.38	21,664.55

A

~~\$@Nri`rri`B\$@NB\$@~~

2022 1-6

7.03

6

2022

FCC

2022 7-8

2

5,740.83

3,911.39

-12,529.88

-7,486.09

2021

2022

1-6

3

3 / FCC

4 / FCC

IPO

4

9,477.80

7,887.59

10,058.63

14,643.29

5

6

2010 11 15

2019 11 28

GR201937100531

15%

2020 12 02

GR202036001757

15%

[2016]41

“ 6,000 / FCC

”

“

”

2015-2017

2018-2020

[2017]34

“ 20,000 / FCC

”

“

”

2016-2018

2019-2021

FCC

13%

2022			A		
			50.00%		
170%					
150%					
=			=		
x			x		
x			x		

450.00

5

2

30%

50%

2,500

2.20

3

30%

50%

=

*

30%*

50%=

30%

			50.00%		
170%					
150%					
=			=		
x			x		
x			x		

450.00

30%

		1	2	3	4
	0%	5%	10%	15%	20%
/					
/					

30%

20%

62.50%

450.00

2

3

4

A

1.00

$$20 = \frac{20}{1.00} + \frac{11.77}{0.80} = 20 + 14.71 = 34.71$$

$$P_1 = P_0 - D$$

$$P_1 = P_0 / (1 + N)$$

$$P_1 = (P_0 - D) / (1 + N)$$

	2022	A
2		
	2022	
	2021	
	2020	

2

3

4

5

1

2

3

4

5

6

7

8

9

2022 4 18

2022-2024

2022 4 22

2022 5 20 2021

2022 10 24

A

	2
1	
2	
3	1
	2
4	
5	
6	

A

A

A
