

2024

	1
1.	2
1.1.	
1.2.	
1.3.	
1.4.	
2.	4
2.1.	
2.2.	
3.	6
3.1.	
3.2.	
4.	7
4.1. 2024	
4.2.	
4.3.	0
4.4.	0
5.	11

2025

(ESG)

GHG Protocol

2024

2024

5,113,143.92

kg CO₂e

1,261,300.13

kg

CO₂e

2024

1.

1.1.

(GigaDevice)2005MCU20168

" "

1.2.

1.1

	2023	2024
	2023	2024
	2030100%	
	2030202150%	
	2060	
	2060	
	203060%	
	2030100%	
	2060100%	
	2060100%	

1.3.

2006 IPCC 2019

EPA

2023-2025

CPCD China Products Carbon Footprint Factors Database

1.2

		EPA	
		EPA	
		IPCC	3.7
		2023 2025	
		CPCD China Products Carbon Footprint Factors Database	
		1	

2.

2.1.

ISO14064-1:2018

100%

2.2

		/
		CO ₂ HFCs PFCs

3.

3.1.

$$\begin{aligned}
 & \text{PFCs (95\#)} = \frac{\text{IPCC2006}}{\text{GWP}} \times \frac{\text{AD} \times \text{EF} \times \text{GWP}}{\text{IPCC2007}} \times \frac{\text{CO}_2}{\text{HFCs}} \\
 & \text{3\%} \quad \quad \quad \text{0.5\%}
 \end{aligned}$$

3.2.

$$\begin{aligned}
 & \text{GHG Protocol} = \text{CPCD} \times \text{AD} \times \text{EF} \\
 & \text{Database} \quad \quad \quad \text{CPCD China Products Carbon Footprint Factors Database} \\
 & \quad \quad \quad \text{GB/T 51366-2019}
 \end{aligned}$$

4.

4.1. 2024

2024	5,113,143.92	kg
CO ₂ e ,	1,261,300.13	
kg CO ₂ e	1,616.21	

4.2.

2024	5,113,143.92	kg
CO ₂ e		

4.1 2024

IC- Park	kg CO ₂ e		kg CO ₂ e		kg CO ₂ e	kg CO ₂ e
5,163.22L	11,322.93	2,358.42 L	5,172.02	3,991.00 L	8,752.26	25,247.21
/	/	/	/	/	/	/
/	35,231.53	/	114,473.21	/	32,423.45	182,128.19
1,070,709. 75 k	0	8,966,581. 00 k	3,366,110. 92	2,699,732. 78 k	1,539,657. 60	4,905,768. 52
	46,554.46		3,485,765.1 5		1,580,833.3 1	5,113,143.9 2

1) 2024

2) 3.

(1)

4.2

2

		kg CO ₂ e		kg CO ₂ e		kg CO ₂ e	kg CO ₂ e
95#	5,163.22L	11,322.93	2,358.42 L	5,172.02	3,991.00 L	8,752.26	25,247.21
	/	/	/	/	/	/	/
	/	35,231.53	/	114,473.21	/	32,423.45	182,128.19
							207,375.40

95#

(2)

4.4 2024

kg CO₂e

		2024	
k	kg CO ₂ e		

4.3.

2024

1,261,300.13

5

4.6 2024

3

kg CO₂e

kg CO ₂ e		
范围：	-	226,587.56
	-	787,478.88
	-	247,233.69
		1,261,300.13

2024

4.4.

2024

2024

12,737,023.53 k

0 m³

11,512.64 L

310,239 k

2024

4.7 2024

		50.83
	95#	12.70
		38.13
		1,565.38
		1,616.21
		194.21

5

5.

2024

2024

2024

2,535.085

2024