

2025

	1
1.	1
2.	1
3.	2
4.	2
	4
1.	4
2.	4
3.	4
4.	5
	6
1.	6
2.	6
3.	6
	8
1.	8
2.	8
	9
1. 2025	9
2.	9
3.	12
4.	13
	14
1.	14
2.	14

1.

	WMO	2025	2015	2025
	11	2024	1850 - 1900	
1.55°C		1.5°C	2025	1.43°C
				1850

F-GHG

ISO 14064-1:2018
GHG Protocol
2025

2.

	GigaDevice	2005
603986.SH	3986.HK	
MCU		

3.

4.

- 1 ISO 14064-1 2018 - 1
 - 2 2006 IPCC 2019
 - 3 GHG Protocol
 - 4
 - 5
 - 6
 - 7 2023
 - 8 GHG
- 1.1

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

¹ CPCD China Products Carbon Footprint Factors Database | EPA Available at: <https://ce.nerc.org/>

GB/T 51366-2019	
GB/T 51366-2019	
CPCD China Products Carbon Footprint Factors Database	

1.

2.

ISO 14064-1:2018

10000

2.1

2.1

1	IC-Park		9	8					/
2				368					
3			5	10	6				
4			505	11F01-04	08	12F	15F		
5			18						
6				211					
7				10	B	011303			
8	2.5		88	2.5		N1-1201-03			
9				9	10				
10				1889		20	D		
		210-214							

3.

4.

2025 1 1 2025 12 31

1.

ISO 14064-1:2018

IPCC AR6

7

CO₂

CH₄

N₂O

(HFCs

PFCs

SF₆

NF₃

2.

0.5%

3%

3.

•

•

•

•

/

HFCs PFCs

1.

2.

1. 2025

5.1

kWoh			tCO ₂ e	tCO ₂ e/revenue per CNY 100 million
ESG	296,287.00	5,955,000.00	5,338.935	58.010
	296,287.00	6,226,000.00		

1,118,339.26 kWoh	593,390.81	2,852,200.00 kWoh	5,228,112.70	3,394,060.01 kWoh	1,800,888.24	7,622,391.75
	0.00		2,892,886.22		2,069,018.98	4,961,905.20
	44,143.11		3,015,230.49		2,114,358.47	5,173,732.07

1) “ ”

(1)

5.3 2

	kg CO ₂ e		kg CO ₂ e		kg CO ₂ e		kg CO ₂ e
4,102.65L	8,997.11	3,115.06 L	4,524.64	5,060.00 L	11,096.58	24,618.33	
/	/	/	/	/	/	/	
/	35,146.00	/	117,819.63	/	34,242.91	187,208.54	
							211,826.87

95 98

(2)

2022 CO₂
2025 2025

5.4 2025 kg CO₂e

2025

2	IC-Park	1,118,339.26	593,390.81	0
3		515,274.00	273,404.38	314,111.03
4		435,455.00	231,052.42	265,453.37
5		46,181.00	24,503.64	28,151.94
6		1,768,807.50	938,529.26	1,078,265.05
7		284,318.00	150,859.13	173,320.25
8	2.5	170,209.55	90,313.19	103,759.74
9		113,462.80	60,203.36	69,166.92
10		60,000.00	32,022.86	36,790.68
		14,365,608.27	7,622,391.75	4,961,905.20

5.5 2025

kg CO₂e

2025							
kWoh	kg CO ₂ e	kWoh	kg CO ₂ e	kWoh	kg CO ₂ e	kWoh	kg CO ₂ e
5,963,363.78	3,164,160.83	3,615,760.00	1,918,522.25	4,786,484.49	2,539,708.67	14,365,608.27	7,622,391.75
	1,992,438.81		1,061,581.29		1,907,885.10		4,961,905.20

5.6-1 2025

kg CO₂e

							2025	
	kWoh	kg CO ₂ e	kWoh	kg CO ₂ e	kWoh	kg CO ₂ e	kWoh	kg CO ₂ e
IC-Park	4,213,328.00	2,235,591.84	3,615,760.00	1,918,522.25	2,024,121.00	1,073,998.61	9,853,209.00	5,228,112.70
		1,237,026.28		1,061,581.29		594,278.65		2,892,886.22
	510,000.00	271,052.77	/	/	1,497.26	322,338.04	1,118,339.26	593,390.81
		0.00				0.00		0.00
	4,724,170.00	2,506,644.61	3,615,760.00	1,918,522.25	2,631,618.26	1,396,336.65	10,971,548.26	5,821,503.51
		1,237,026.28		1,061,581.29		594,278.65		2,892,886.22

5.6-2 2025

kg CO₂e

	kWoh	kg CO ₂ e	kWoh	kg CO ₂ e	kWoh	kg CO ₂ e
	43,317.78	22,984.41	471,956.22	250,419.97	515,274.00	273,404.38
		26,406.52		287,704.51		314,111.03
	/	/	435,455.00	231,052.42	435,455.00	231,052.42
				265,453.37		265,453.37
	/	/	46,181.00	24,503.64	46,181.00	24,503.64
				28,151.94		28,151.94
	1,195,876.00	634,531.81	572,931.50	303,997.45	1,768,807.50	938,529.26
		729,006.01		349,259.04		1,078,265.05
	/	/	284,318.00	150,859.13	284,318.00	150,859.13
				173,320.25		173,320.25
2.5	/	/	170,209.55	90,313.19	170,209.55	90,313.19
				103,759.74		103,759.74
	/	/	113,462.80	60,203.36	113,462.80	60,203.36
				69,166.92		69,166.92
	/	/	60,352.16	32,022.86	60,352.16	32,022.86
				36,790.68		36,790.68
	1,239,193.78	657,516.22	2,154,866.23	1,143,372.02	3,394,060.01	1,800,888.24
		755,412.53		1,313,606.45		2,069,018.98

3.

2025

1,731,985.825

5.7 2025kg CO₂e

kg CO ₂ e	
-	287,164.35
-	1,124,120.00
-	320,701.47
	1,731, .82

2025

4.

2025

2025

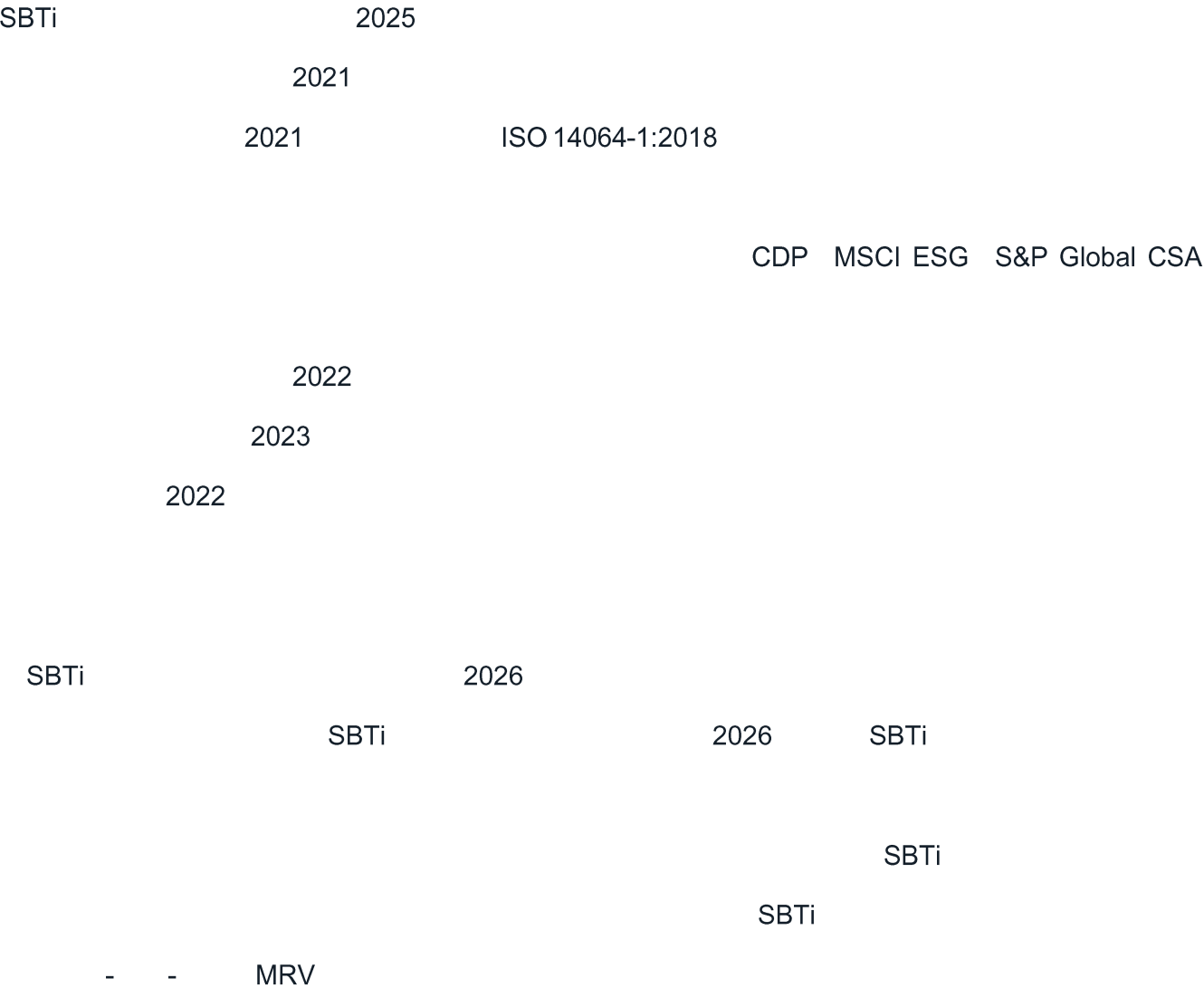
14,365,332.27 kWh0 m³12,277.71 L296,287 kWh

2025

5.8 2025

	48.71
	12.30
	36.41
	1,765.53
	1,814.24
	555.79

1.



2.



	60.20	47.43
	4,643.34	5,204.99
	4,703.54	5,252.12
/	57.85	61.72

3.

4.

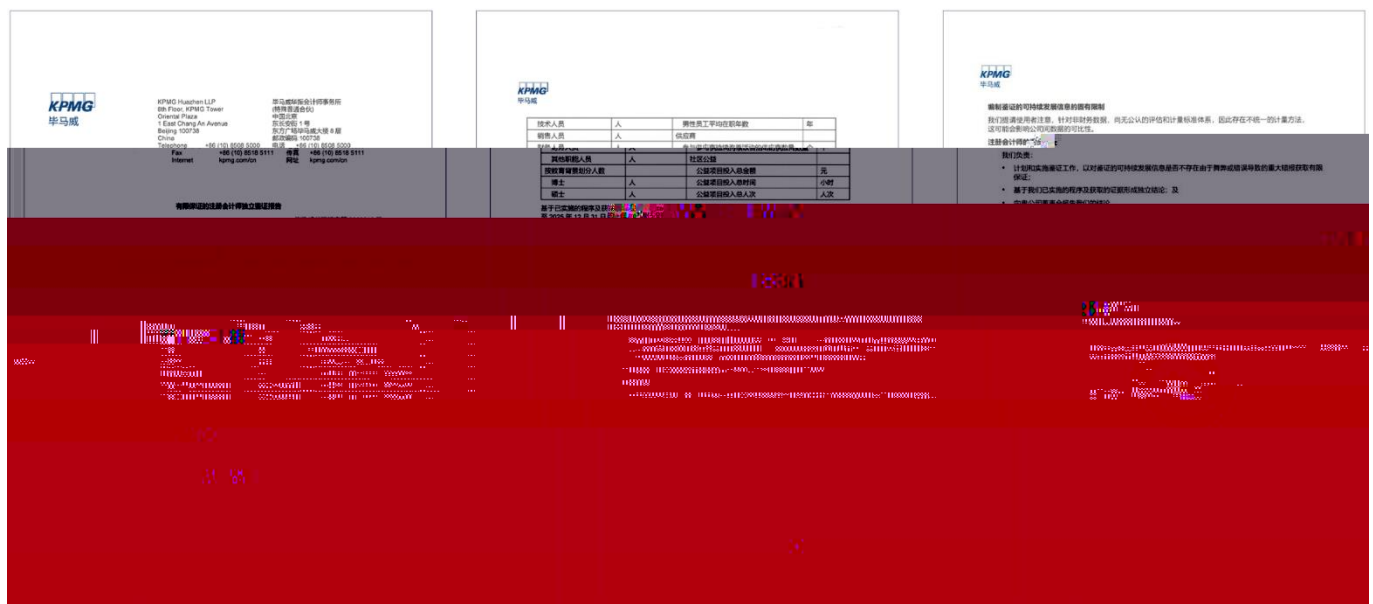
1.

ISO 14064-1

ISO

14064-1

2.



7.1 ESG

1.

2025

2026-2028 ESG

2026

8.1

	2023			2025
	2023			2025
	2030	100%		
	2030		2021	50%
	2060			
	2060			
	2030		60%	
	2030	100%		
	2060	100%		
	2060	100%		

2025

44.48%

2025

8.2

2025		2024	
kWoh	tCO ₂ e	kWoh	tCO ₂ e
296,287.00	180.617	310,239.00	176.929

	4,226,000.00	2,576.170	1,270,000.00	724.281
I-REC	500,000.00	304.800	1,000,000.00	846.075
GEC	1,500,000.00	914.400	12,000,000. 00	787.800
TC	6,522,287.00	3,975.987	3,780,239.00	2,535.085

SBTi

6

2.

ISO 14064:2018

-
-
- /
-
-
-
-

SBTi