
110

1	.....	1
2	.....	11
3	.....	13
4	.....	14
5	.....	15
6	.....	18
7	.....	19
8	.....	24
9	.....	26
10	.....	28
	.....	32

1

	110			
	99			
	13961250300			213000
	110kV			
				[2020]507
	□			D4420
	2185			-
	***		***	***%
	-			2021 6
	110kV	110kV		
	1	1	2	
	1×10MVA+1×12.5MVA	1×10MVA+1×16MVA	110kV	1 110kV
	GIS	10kV	11	
	2	110kV	525m	365m
		160m	1	150m
	2 #16 #17			
	/		/	
	/		/	
	/			
	110kV			
	110kV			



1

" "

160

84080m²

14MW

12MW

26MW

20MW

220kV

110kV

110kV

1

133090m²

1-1

110	110kV		110kV 1 2 1×10MVA #1 +1×12.5MVA #2 1×10MVA+1×16MVA 110kV 1 110kV GIS 10kV 11 1 20m ³
	110kV		110kV 525m 365m 160m 1 150m 2 #16 #17

2.1 110kV

1

110kV

2

110kV

2

1×10MVA+1×12.5MVA

1×10MVA+1×16MVA

SZ11-10000/110

SZ11-12500/110

110kV/10kV

110kV

1

110kV

GIS

10kV

11

1

20m³

3

110kV

GIS 10kV

10kV

10kV

10kV

110kV

GIS

110kV

GIS

110kV

10kV

20m³

4

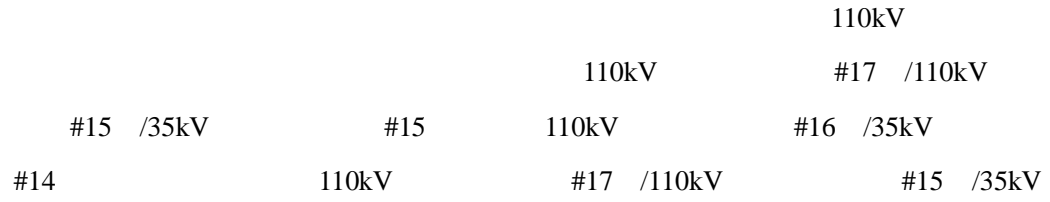
110kV

110kV

0

2.2 110kV

1



		110kV		16m
6				
110kV	7556	110kV		110kV
220kV	31		220kV	31
	2006	6	20	
110kV			220kV	10
		220kV	10	
2008	12	22		[2008]68
110kV	7556			
3				
1		110kV		
		2019		
				2012
2013				
2			2020	1
				2018
74				
3				
110kV				
4		110kV		
			0	
		HJ1113-2020		
5		"	"	2020 49
			"	"
				"

1

1	2014	4	24	2015	1	1
2	2018			2018	12	29
3		2018	12	29		2018
12	29					
4		2016	11	7		2016
11	7					
5	2020			2020	9	1

3		2018	2018	5	1
4			[2020]1		2020
1	8				
5		2012	2013		2013
3	15				
6		[2018]74	2018	6	9
7		2019	3		
		2019	10	8	
8		"	"		
[2020]49					
4					
1			HJ2.1-2016		
2			HJ2.4-2009		
3			HJ2.2-2018		
4			HJ2.3-2018		
5			HJ19-2011		
6			HJ24-2014		
7			HJ681-2013		
8		GB8702-2014			
9		GB3096-2008			
10			GB12523-2011		
11			GB50229-2019		
12			HJ519-2020		
13			HJ607-2011		
14			HJ1113-2020		
15			HJ169-2018		
5					
1		110kV			
		2020	1		
2		110kV			
		2020	8		
3	110kV	750kV			GB50545-2010

6

HJ24-2014

1-5

1-5

		Leq	dB(A)	Leq	dB(A)
			kV/m		kV/m
			>		>
		Leq	dB(A)	Leq	dB(A)

7

HJ2.1-2016

HJ24-2014

HJ2.4-2009

HJ19-2011

7.1

HJ24-2014

1-6

1-6

	110kV			
			10m	
			10m	

1-6

110kV

110kV

10m

110kV

7.2

110kV

50km 0.2185hm² 0.002185km² 110kV 525m

7.3

HJ2.4-2009
GB3096-2008 3
3dB 3dB(A)

500m

300m

"

"

2020 49

"

2

110kV

2

2.1

119°08'~120°12'

31°09'~32°04'

2.2

1672km²

1088km²

255km²

16%

1360km²

2m~9m

5m~7m

2m~4m

2m~5m

6m~9m

15%

2.3

17.5

3.2

31.1

1149.7mm

42.2mm

154.mm

137.6

229

11

39.4

2.4

200

3000

700km²

16%

23.8km

3.8

m³~4

m³

4m~8m

2m~20m

25m~45m

5.71

t

1000t~5000t

13

t

V

86t~143t

2.7

t/d

2.5

3

3.1

0.027 >

1.5m

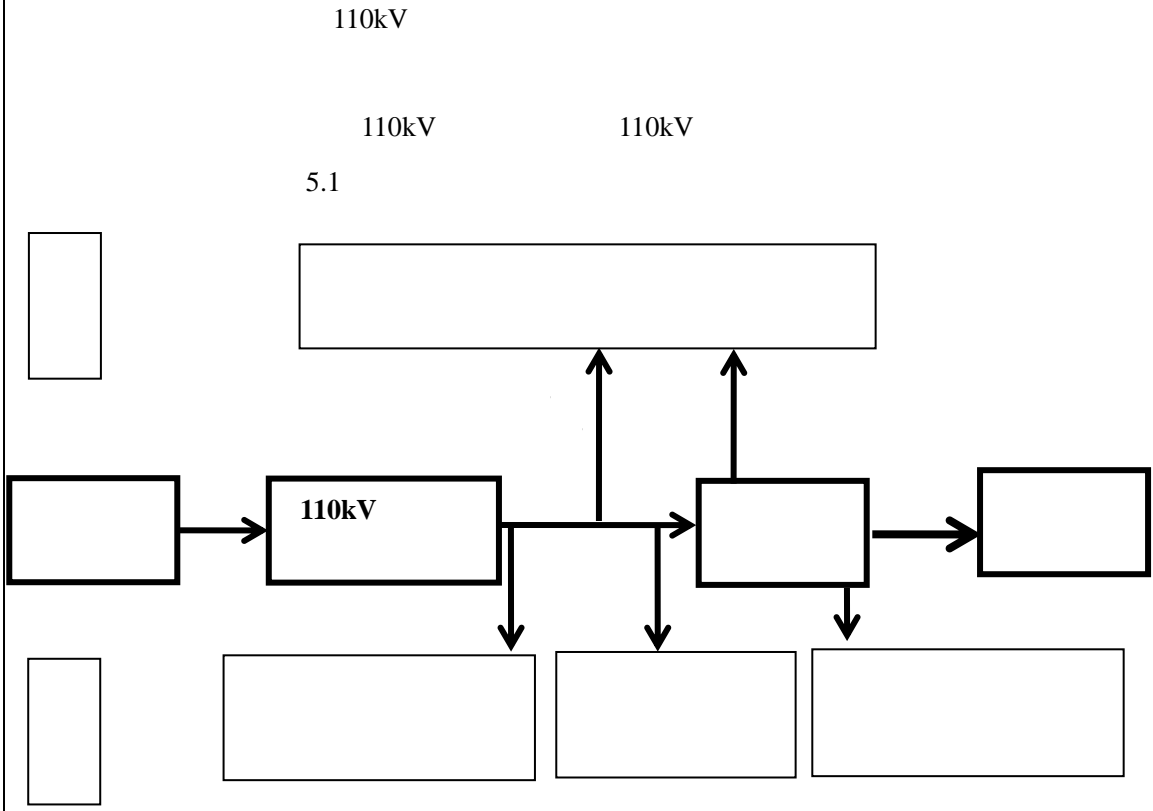
0.9V/m

4

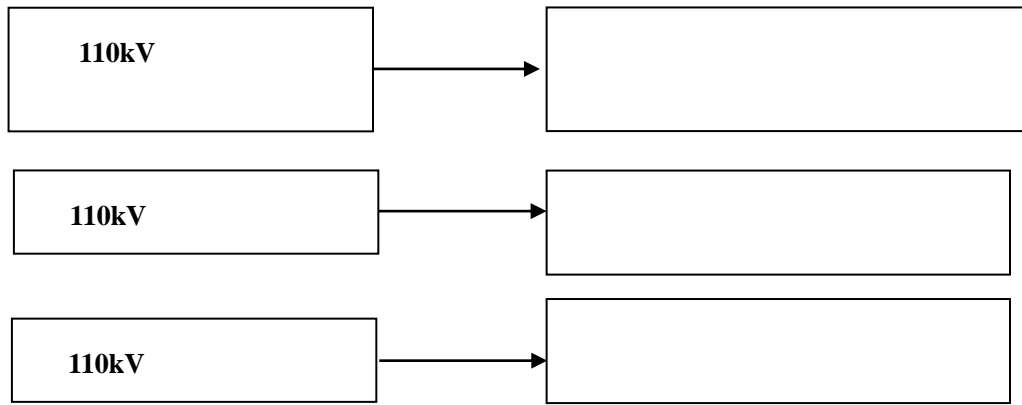
	<p>1</p> <p style="text-align: center;">2017</p> <p>GB3096-2008 3 65dB(A) 55dB(A)</p> <p style="text-align: right;">GB3096-2008 4a</p> <p>70dB(A) 55dB(A)</p> <p>2</p> <p style="text-align: center;">GB8702-2014 1" "</p> <p style="text-align: center;">4000V/m ></p> <p>50Hz 10kV/m</p>
	<p>1</p> <p style="text-align: center;">GB12348-2008 3 65dB A 55dB A</p> <p>2</p> <p style="text-align: right;">GB12523-2011</p> <p>70dB A 55dB A</p>

5

5.1



5.1



5.2

5.2

5.2.1

1

110kV

2

110kV

110kV

110kV

3

110kV

15t

4

8~10

110kV

5

1

20m³

6

110kV

7

2185m²

6

		TSP		
		SS BOD ₅ COD		
			15t/a	
				4000V/m > <10kV/m
			1.095t/a	
	1.0m 110kV		5.0m A	105dB(A)
				63.7dB(A)
				20m ³

7

7.1

7.1.1

7.1.2

1

110kV

5dB(A)

69dB(A)

80m

150m

67dB(A)

GB12523-2011

40m

69dB(A)

110kV

110kV

7.1.3

1

15m

TSP

2

110kV

3

" "

7.1.4

1

2

7.1.5

1

2

110kV

7.1.6

7.1.7

110kV #16~#17 #16 #17

150m

7.1.8

7.2

7.2.1

110kV

110kV

7.2.1.1

1

110kV

7-4

7-4 110kV

	dB A
1m	63.7

15dB(A)

2

3~30 dB(A)

GB12348-2008 3

7.2.1.2

110kV 7556 / 7591 T

1

110kV

GB8702-2014 "

"

4000V/m

>

2

110kV

GB8702-2014 " "

4000V/m

>

110kV

GB8702-2014 " "

4000V/m

T 110kV

10kV/m

7.2.3

7.2.4

pH COD BOD₅ NH₃-N

110kV

15t

7.2.5

1.095t

7.2.6

20m³

7.66m³ 8.80m³

100%

GB 50229-2019

P6

1 2

1

20%

2

3

HJ169

8

		TSP		
		pH COD BOD ₅ NH ₃ -N6		
			110kV GIS	<4000V/m >

16m

				GB3096-2008 4a
			-	
	20m ³			

9

9.1

9.2

9.2.1

9.2.2

1

2

3

4

9.3

9-1

9-1

				HJ681-2013 GB3096-2008 GB12348-2008
--	--	--	--	---

9.4

9.5

9.6

10

10.1

10.1.1

1
110kV 1 2
1×10MVA+1×12.5MVA 1×10MVA+1×16MVA 110kV 1 110kV
GIS 10kV 11 20m³
110kV 525m 365m
160m 1 150m 2
#16 #17
2
110

10.1.2

1 110kV
2019
2012
2013
2 2020 1
2018
74
3
110kV
4 110kV

10.1.3

1

	1.5m	0.9V/m	
0.027 >		1.5m	1.6V/m
	0.019 >		1.5m
0.9V/m~1.2V/m	0.021 >~0.023 >		1.5m
0.7V/m	0.032 >		1.5m
58.3V/m	0.488 >		1.5m
28.6V/m~33.6V/m		0.306 >~0.314 >	
GB8702-2014		4000V/m	100 >

2

110kV

"

		GB8702-2014	"	"	
4000V/m		>			
		110kV			
		GB8702-2014	"	"	
4000V/m		>	110kV		
			10kV/m		
2				3~30 dB(A)	
			GB12348-2008	3	
		110kV			
	GB3096-2008	4a	70dB(A)	55dB(A)	
3					
		pH	COD	BOD ₅	NH ₃ -N
	110kV				15t
	110kV				
4					
	110kV				
5					
	110kV				
		110kV			
				20m ³	
6					
7					
					HJ24-2014

20m³ 20% 100%

10.1.6

10.2

1

2

3

3

4

HJ169-2018

1

1.1

1.1.1

1 2015 1 1
2 2018 12 29 2018
12 29
3 2017 682 2017
10 1

1.1.2

1 2019 2019 10 30 29
2020 1 1
2 1 2017 6 29
44 2018 4 28 <
>
3 < >
2019 38

1.1.3

1 HJ2.1-2016
2 HJ24-2014
3 HJ681-2013
4 GB8702-2014
5 HJ1113-2020

1.1.4

1 110kV
2020 1
2 110kV
2020 8

1.2

HJ24-2014

1

2

GB8702-2014 1"

"

4000V/m

>

50Hz

10kV/m

1-1

1-1

		GB8702-2014	4000V/m
			10kV/m
			>

1.3

HJ24-2014

1-2

1-2

2-1

110	110kV		110kV 1 2 1×10MVA+1×12.5MVA 1×10MVA+1×16MVA 110kV 1 110kV GIS 10kV 11 1 20m ³
	110kV		110kV 525m 365m 160m 1 150m 2 #16 #17

3

3.1

0.027 > 1.5m 0.9V/m
 1.6V/m 0.019 > 1.5m
 0.9V/m~1.2V/m 0.021 >~0.023 > 1.5m
 0.7V/m 0.032 > 1.5m
 58.3V/m 0.488 > 1.5m
 28.6V/m~33.6V/m 0.306 >~0.314 >
 GB8702-2014 4000V/m 100 >

4

4.1

GB8702-2014 1" "
 4000V/m
 T
 HJ24-2014
 110kV 5m
 1.5m 5.4~243.7 V/m 0.103~0.3574 >
 4000V/m 100 > 1.5m
 5.8~243.7 V/m 0.027~0.3574 > 4000V/m 100 >
 110kV
 GB8702-2014
 4000V/m 100 T

4.2

HJ24-2014
 110kV 110kV
 0.252 >
 8.98 0.226 >
 100 >
 110kV
 HJ24-2014 C D

		0.252 >		
5.86		1.477 >		
		110kV		
		4000V/m	100 >	
		110kV		16m 1.5m
		226V/m	4000V/m	110kV
			10kV/m	110kV
	16m	1.5m		0.727 >
100 >				
		GB8702-2014	"	"
	4000V/m	100 >		
5				
	1			110kV
		110kV	GIS	
	2		16m	
	3			
6				
	1			110kV
	GB8702-2014			4000V/m
	>			
	2	110kV	16m	1.5m
				4000V/m
				>
	3		110kV	
			GB8702-2014	
		4000V/m	>	
	4			110kV
	GB8702-2014			4000V/m

