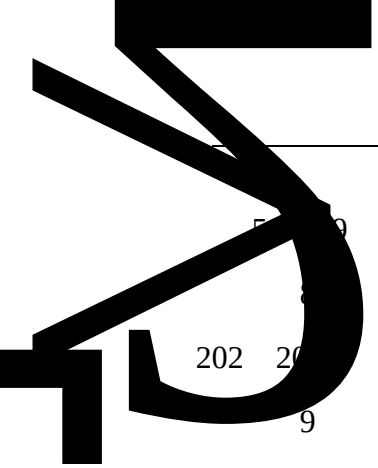
2015 1674 ≤60

2022 8 2023 1 1 1674

2023 1 9

3



5 9 80 2015 7 1

8 16

202 20 2 1 202 1

9 44 2015 5

29 80 2015 7 1

10 55

2015 3 23 79 2015 7 1

11 2 2019 9 1

12 4 2025 9 1

13 2025 5

2025 1 27

14 < ⺈ 82 |01< ^>d >ñ ن ≠

2021 12 2021 12 31

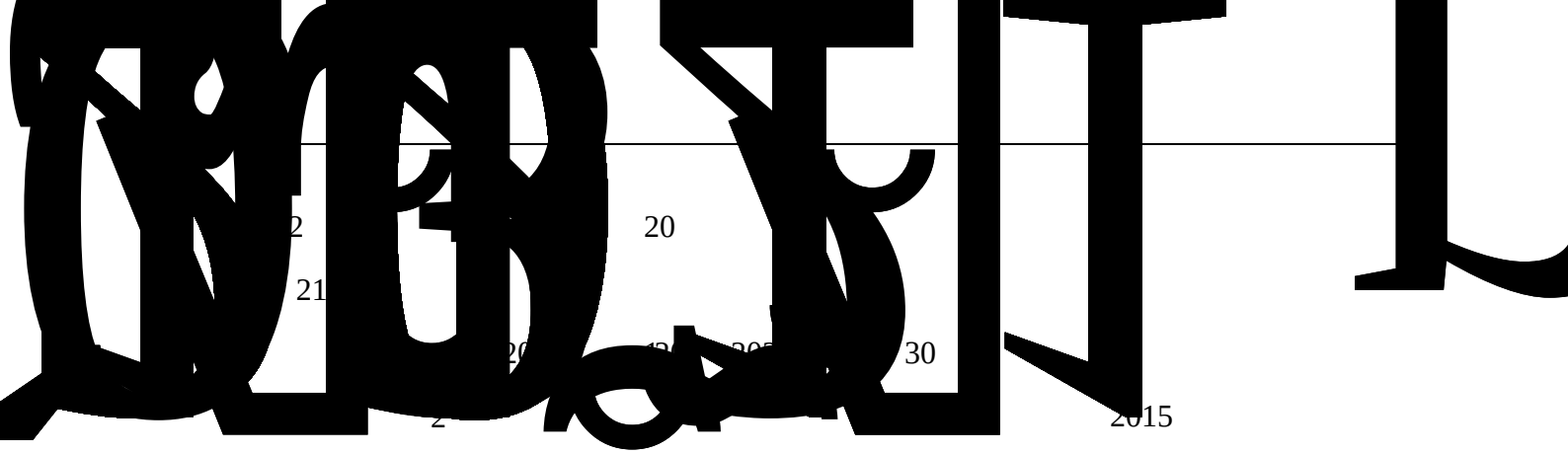
2022 6 2022 4 2

15

2025 4 2025 2 100 ㄱ 2

16

2016 8 2016



2 20

21

30

2015

2015 80 2015 8 19

23

2011 95 2011 7 1

28, m" ~

30 202

1.2.2.

1	GB 50156-2021
2	GB 6944-2025
3	GB 12268-2025
4	GB 18218-2018
5	GB 17914 2013
6	GB 50058-2014
7	AQ 3009-2007
8	GB/T 6441-1986
9	GB/T 13861-2022
10	GB 50140-2005
11	GB 50057-2010
12	GB 12158-2024
13	SH/T 3177-2015
14	GB/T 50610-2010
15	GB 50395-2007
16	GB/T 29639-2020
17	YJ/T 9007-2019
18	(AQ 3010-2022)
19	GB 30871-2022
20	(XF/T 3004-2020)
21	GB 55036-2022
22	GB/T 13869-2017
23	GB/T 34661-2017
24	GB/T 35579-2017
25	GB/T 50759-2022
26	AQ 8001-2007

2.

2310m^2 FF 4 1 1

4

-30.6

8.3

6.9

2

69%

67%

7 78%

1 61%

3

101.2kPa

103.9kPa

96.9kPa

4

755.4mm

997.3mm

520.5mm

178.8mm

42.6mm

5

250.0mm

6

3.2m/s

23m/s

7

28.3d

42d

8

6

1.40m

2.3

2310m^2

5m

14m 20m

4

13m 0.2m 1.2m 0.6m

6m

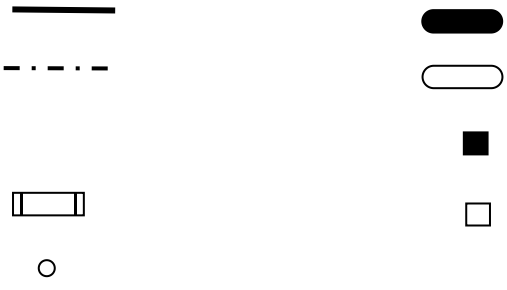
17m 29m 27.5m 31.5m

0.9m 0.5m

2 2 4m

2.3-1

2.3-1 2.3-2

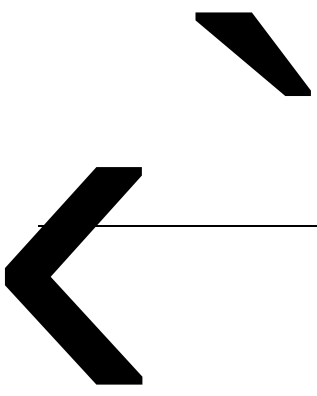


2.3-1

2.3-1 m

		10.5	15.5
		10.5	35
		7	33
ЄЂ,DТИ̯		5.5	35
	H=6m	5	38
		5.5	26
		5	23
		10.5	27
		10.5	53
		7	32
		5	6
	H=6m	5	16
		5	16
		5	39

FJ'D1Ñ1Ñ



	H=6m			5	33.5
				5	16
				5	12

2.3-2 m

2.4

2.4-1

2.4-1

1				120m^2		-
2				400m^2		H=6m
3				90m^2		
4				30m^2		-

2.4-2

2.4-2

1.		2	30m^3	-	FF
2.		2	30m^3	-	FF
3.		2	SK56QF424K		Exdibmb AT3Gb
4.		1	SK56QF424K		Exdibmb AT3Gb
5.		1	SK56QF222K		Exdibmb AT3Gb
6.		1	UZK-SA-LD		
7.		1	UZK-SA-LD		-
8.		12	-	-	3 9 7 1 1
9.		1	TLS-2		
10.		1	DA3040C		-
11.		1	XFY-VR-M2/8A		-

2.5

6 1

2.6

1

5min

2

2.7

2.7.1

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91210181774837525P

2024 12 04

2

[2023]000336

2023 1 9 2026 1 8

3

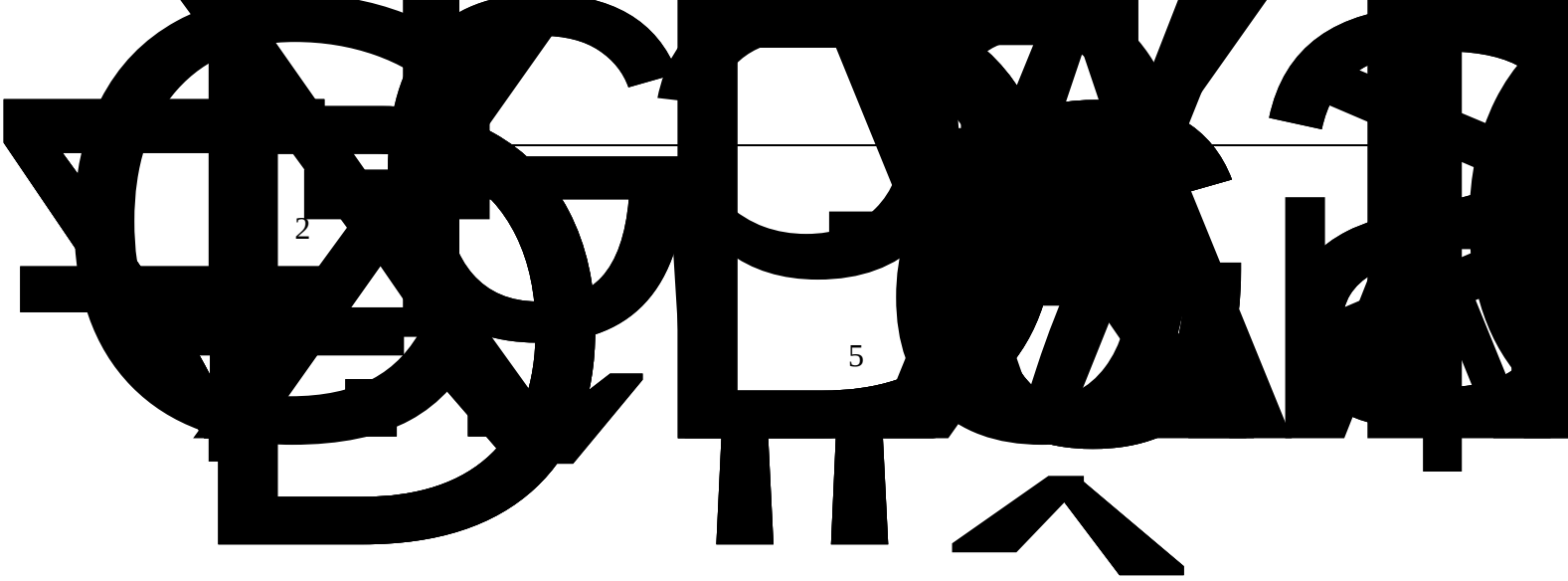
1062024001 [2025]00451

2025 10 11

4

2.7.2

1



2

5

Ä3

4

380/220V TN-C-S

LED UPS

2h

5

5

Ä

10m×10m 12m×18m

2 2kg CO_2 2 35kg 2
5kg 2 $2m^3$
7

12 3
7 4m 1 3m 1
4m

Q_1 Q_2...Q_n—— t

3

3.1.3

3.1-1

3.1-1

1		200t
2		5000t

$60m^3$ 0.75

45t $60m^3$ 0.89 53.4t

S=45/200+53.4/5000 0.23568<1

3.2

3.2.1

2* 1B 2

1 - 2 - 2

1630

92 95 98 3

=1 0.72 0.775 =1 3 4 -46 1.4% 7.6%

415 530 0.813MPa

PC-TWA mg/m^3 300

4

2

3

1.5

4

2

3

1000m^3

1

2

0.5m^3

100mm

3

4

GB 7231

5

15min

50m

300m

1674

-18 =1 0.87 0.9

282-338

0.6%~7.2%

5 0 -10 60 -20

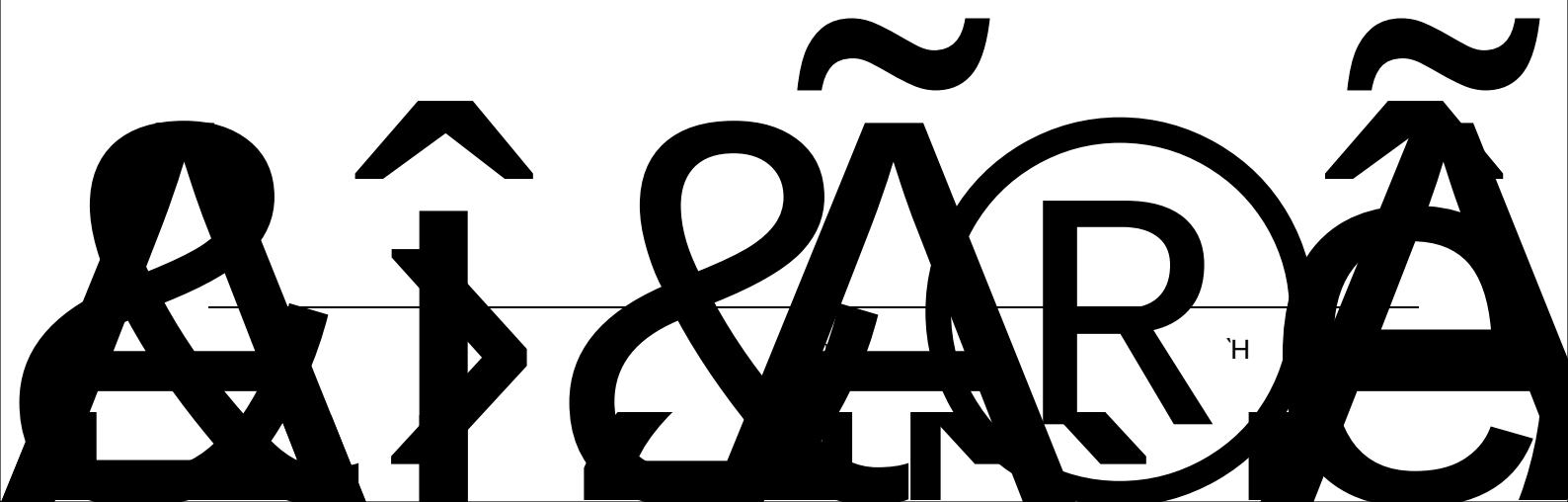
50 -35 -50 45

3.2.2

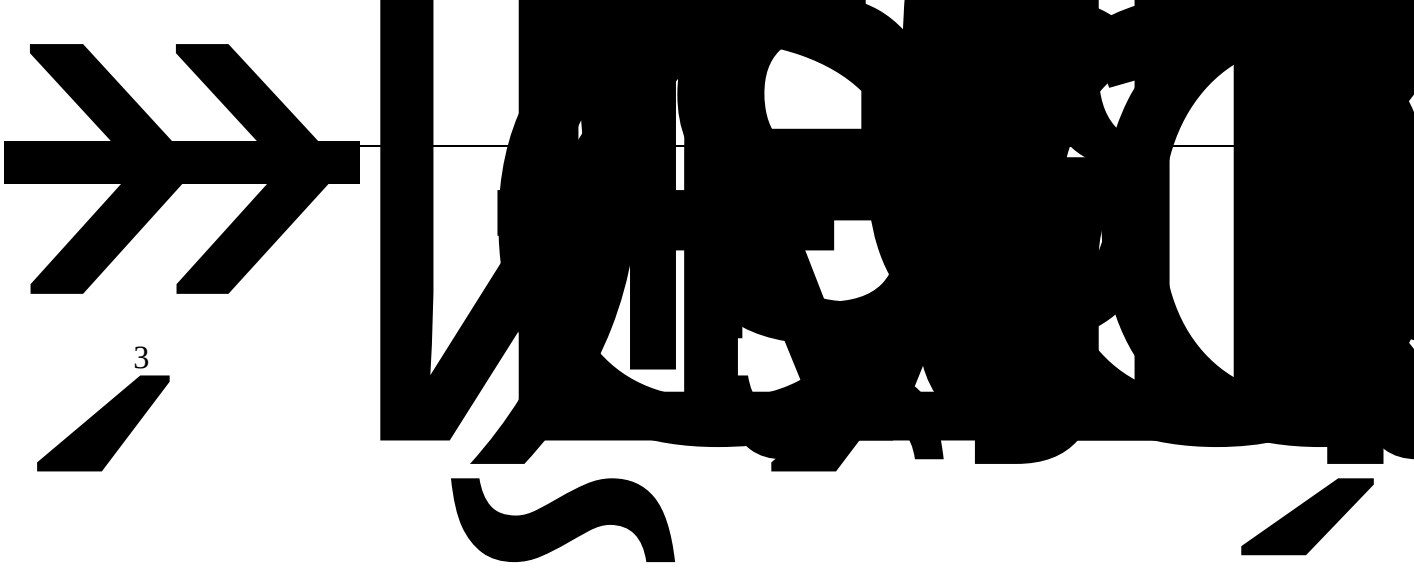
3.3

3.3-1

3.3-1



3.3.1



3

4

3.3.2

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3.3.3

3.3.6

3.3.7

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4.1

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4.2

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5-1~9

5-1

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12
13
14
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	2 4m 6m 8%	GB50156-2021 5.0.2	13m 8%	
	3	GB50156-2021 5.0.3		
	4 “ ” “ ”	GB50156-2021 5.0.5	“ ” “ ”	
	5 3m 1.2m³ 100mm 1.2m	GB50156-2021 5.0.6		
	6	GB50156-2021 5.0.7		
	7	GB50156-2021 5.0.8		
	8 14.2.10 300m²	GB50156-2021 5.0.9	300m²	
	9 4.0.4 “ ” “ ”	GB50156-2021 5.0.10		

10

GB50156-2021

5.0.11

11

2.2m

4.0.4 1.5 25m

GB50156-2021

5.0.12

2.3-1

4.0.4

12

GB50156 5.0.13 GB50156-2021

5.0.13

2.3-2

13 5.0.13-2 - ³ 4

		GB50156-2021 6.2.2		
	3	GB50156-2021 6.2.3		
	4	GB50156-2021 6.2.4		
	5	GB50156-2021 6.2.5		
	6 “ ”	GB 50156-2021 6.6.1		
	7	GB 50156-2021 6.6.2		
	8 6.2 1 2 3 4 5	GB 50156-2021 6.6.4		
	9	GB 50156-2021 6.6.5		
	10 1 2 3	GB 50156-2021 6.6.6		

50mm

50mm

1.0 1.2

25mm

25mm

8

50mm

100mm 45°

T

150mm

200mm

			2kPa~3kPa 1.5kPa~2kPa	
	12 GB/T8163 4mm 4mm 108Ω·m 1010Ω	 GB 50156-2021 6.3.12	 GB/T8163 5mm,	
	13	 GB50156-2021 6.3.13		
	14	 GB50156-2021 6.3.14		
	15 2‰ 1%	 GB50156-2021 6.3.15	 2‰ 1%	
	16 6.3.15 1%	 GB 50156-2021 6.3.16		
	17 0.4m 0.2m 100mm	 GB50156-2021 6.3.17	0.5m 0.3m 0.2m	
	18			

GB50156-2021

6.3.18

19

6.3.12

1. 2.8m/s

2. GB50156-2021

6.3.19

20

GB50156-2021

6.3.20

GB/T21447

	10mm 30mm			
	24	GB50156-2021 6.5.4		
	25 6.3 5mm 5%	GB50156-2021 6.5.5		
	26 3.5mm	GB50156-2021 6.5.6	3.5mm	

53 42

11

5-5

	1		5kg	

$$0^{0}$$

A

4.5m

5m

4.5m

3m

5

GB50156-2021˜

13.1.5

0.65mm

0.7mm

5

GB50156-2021

13.2.7

6

GB50156-2021

13.2.8

7 380/220V TN-S

380V TN-C-S

GB50156-2021

13.2.9

100Ω

GB50156-2021

13.2.15

14

1 GB50156-2021 1

13.2.16

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GB50395-2007

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ÄGB50395-2007 Ä

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GB50156-2007 .5.1

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140kw

GB50156-2021

2m 14.1.3

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12

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GB50156-2021

14.1.4

300cm²/m² 2

3

GB50156-2021

14.1.5

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GB50156-2021

14.2.1

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4.5m

2m

50BB19

GB50009

GB/T 50011

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θ.1Б 0.2m

		1	2025 8 8	
		2		
		3		
		4		

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5-9

	5	5	0	0
	31	31	0	0
	24	21	0	3
	53	42	0	11

	8	8	0	0
	28	27	0	1
	17	12	0	5
Gý	24	15	0	9
	190	161	0	29

5-9

190 29 161

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GB50156-2021

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GB50058-2014

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3 2

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