

2021 4

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()	51
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2016 1 -2021 1	44
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.....	47

	48
()	49
()	50
	52

1

1	1.1		
2	1.1		2
3	1.1		10kV 5 (2 , 3)
4			010-88301472
5			2020 32
6			2021 0003
7			2021 4 22 12 00 2021 4 28 12 00
8	1.2		1 () 2 3 1 2 () 3 4 5)
9	2.1		

10	2.2		
11	3.2		<p style="text-align: center;"><u>2021 4 28 12 00</u></p> <hr/> <p><u>18010877237</u></p>
12	5.1 6.2		<p style="text-align: center;"><u>2021 4 23 16 00</u></p> <p style="text-align: center;"><u>2021 4 25 16 00</u></p> <p style="text-align: center;"><u>24</u></p>
13	11.1		<p>1</p> <p style="text-align: right;">2015 299</p> <p style="text-align: right;">[2002] 10</p> <p>2</p> <div style="background-color: yellow; display: inline-block; padding: 2px;">49.5</div> <p>3</p>
14	12		
15	13.1		<u>90</u>
16	14.1		/
17	15.1		
18	16.1		<p style="text-align: center;">2</p> <p style="text-align: right;">1</p> <p style="text-align: center;">.d c .d c</p> <p style="text-align: center;">h d @126.c</p>
19	17.1		<p>1</p> <p style="text-align: center;">" "</p> <p style="text-align: right;">A3</p>

			A3	A3
			A3	
			2	A4
20	18.1 18.2		18210918835	18401664093
			2	13
			<u>2021 4 28 12:00</u>	
21	20.1		<u>2021 4 28 12:00</u>	
			2	13
22	25.1			
23	26.2		"	"
24			[2002] 1980	2003 857
25	31.1			
26			50	
27	33.1			
28				49.5

2 " "

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1.1

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9.1 ()

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9.3.5

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9.3.7

9.3.8

9.4

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.jpg .pdf .dwg .ppt

11

11.1

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2015 299

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11.2

11.3

12

12.1 " " 14

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13.1 " " 15

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14

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16

16.1 " " 18

16.2

" " " "

16.3

16.4

17

17.1 :

17.2

" " " "

17.3

17.3.1

17.3.2

1

2 2021 4 28 12 00

17.4 17.2 17.3

18.2

17.5 17.1 17.2 17.3

17.6

17.7 " " 19

" "

17.8

19

18

18.1 " " 20

18.2 " " 20

18.3 6

18.4

3

19

19.1

19.2

17

" " " "

19.3

19.4

20

20.1

"

"

21

20.2

a)

b)

20.3

20.3.1

20.3.2

20.3.3

20.4

20.5

21

22

23

1

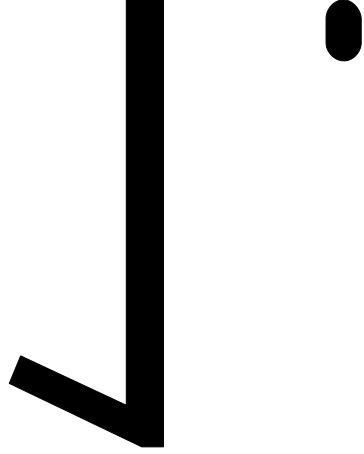
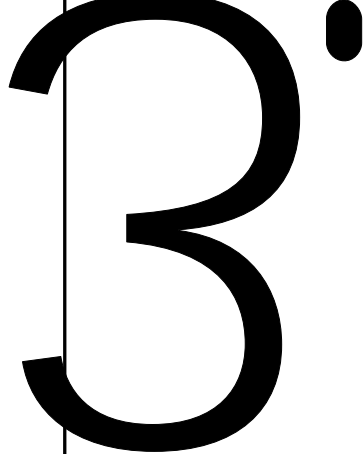
2

1

2

1

23. 1. 1



23. 2. 5

23. 2. 6

24

24. 1

24. 2

24. 3

24. 4

25

25. 1

25. 2

26

26. 1

26. 2

26. 3

"

"

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26. 4

26. 5

27

27. 1

27. 2

27. 3

28

28. 1

29

29. 1

30

30. 1

30

30. 2

30. 1

30. 3

31

31. 1

2021 4 22

GF 2000 0210

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1

1.1



1.2

1.3

8

1.4

2

127633.62

102013.62

25620

10kV

5

(2 , 3)

(10kV)

1299.39

2

2.1

2.2

2.3

2.4

2.5

2.6

2.7

- GB50016-2014 2018
- GB50052-2009
- 20kV GB50053-2013
- 3kV 110kV GB50060-2008
- GBT15544-1995
- GB50227-2017
- GB50217-2018
- GB/T50064-2014
- GB/T50065-2011
- GB/T50063-2008
- GB/T50062-2008
- GB51309-2018
- GB50116-2013
- GB28184-2011
- 1 GB14287.1-2014
- 2
- GB14287.2-2014
- GB50054-2011

- GB14050- 2008
- GB50260- 2013
- GB50981- 2014
- GB50057- 2010
- GBT18379- 2001
- GB50034- 2013
- GBT15945- 1995
- GB12326- 2000
- GBT14549- 1993
- GBT12325- 2003
- GBT15543- 1995
- GB50149- 2010
- CECS170: 2004
- GB50189- 2015
- GB/T51161- 2016
- GB20052- 2013
- DL/T5044- 2004
- DL5222- 2005
- DLT5003- 2005
- GBT13033. 1- 2007
-

7			23016	0.3 9	0.95	0.329	9043	2972	9519kVA
			10						12950kVA
8	10kV								2500kVA

65~85%
12950KVA

0.95

3

D#

2

10kV

10KV

10KV

10KV

UPS

4

6

1 10kV

	KVA			
1#	1 2000KVA	D2#	D2#	D3#
2#	1 1250KVA	D1#	D1#	
3#	2 1000KVA	A2#	A2#	B3# C1#
4#	2 1250KVA	B1#	B1#	B2#
5#	2 1000 KVA	B4#	A1#	B4#
6#	2 1600KVA	A1#		
	2500 VA	D2#	10 V	

12950KVA+10 V

2500 VA

1.

1.1 10 10

1.2 10

1.3

2

2.1

II

2.2

D, yn11

3. 10

3.1

10

3.2 10

3.3 10

3.4 10

20kA

4. 0.4

4.1 0.4

4.2 0.4

PLC

4.3 0.4

4.4 0.4

10

5.

5.1

30%

5.2 0.4

5.3

:

6.

6.1

6.2

6.3

6.4

7

7.1

0.5

4

7.2

300

7.3

1.

1.1 10

1 10

2

3

4

1.2 10kV

1

" "

2

3

1.3

2

2.1

N+1

2.2 110V
 2.3 100AH
 3.
 3.1

3.2
 10
 3.3

0.2 10/0.1kV v/v
 0.2s 10 kV **/5A

3.4
 1
 2

4 mm²

3.5
 10kV

1.

1.1

1

2

3

1.2 10

10

1.3

0.4

1.4 0.4

PLC

0.4

2

2.1

2.2

2.3

1 10

2 0.4

	3		
	4		
3.			
3.1			
	1		
	2	10	0.4
	3	10	0.4
	4	10	0.4
	5		
	6	10	0.4
	7		

3.2	
	1
	2
	3
	4
	5
	6

4.

5.

1. EPCN

2.

3. 48

4. I II

III IV

5.

1.

1.1 GB 50168 DL/T 5221

1.2 10

1 10

300mm² 240mm²

150mm² 120mm²

2 10 A

(XLPE)

PVC

PVC

PE-90

GB/T 12706.2

3 10

4

UPVC

1

2

2.1

2.2

1

	8 *. dwg
1	

50

2021 4 29 ()

	2021	2021	20	3
	2021	2021	5	3
	2021	2021	25	3
			N	

1

2

3

A3 3

_____ / _____

m

			/
	<hr/> <hr/>		

_____ (_____)

(_____)

- 1
- 2
- 3

()

			/

_____ () _____

/			
// //			
...			

_____ () _____

1

2

_____ () _____

()

(

()

()

()

3

1			
2			
3		3	

()

1 70 K1
2 20 K2 10 K3

()

K1

1		10	0~10	

2		45	0~45	
3		5	0~5	
4		5	0~5	
5		5	0~5	
	70			

()

1

2

= /

3

a

a= 100% × [- /]

4	a	K2
1	-5%	16
2	-4% a -5%	17
3	-3% a -2%	18
4	-2% a -1%	19
5	-1% a 0%	20
6	0% a +1%	18
7	+1% a +2%	16
8	+2% a +3%	14
9	+3% a +4%	12
10	+4% a	10

1

K3

1	5	5	1	2.5
2	5	0.5	3	2
	10			

1

K1+K2+K3

2