

ZG-dSVG



V1.2

ZG-dSVG

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ZG-dSVG

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ZG-dSVG

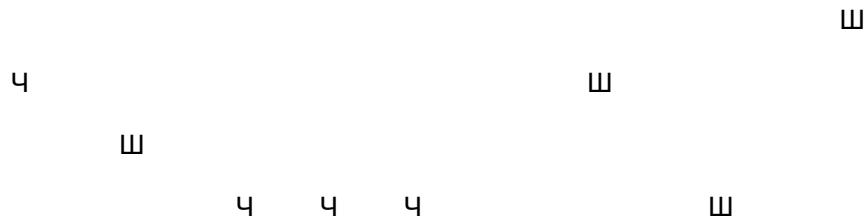
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1		1
1.1		1
2		4
2.1		4
2.2		4
2.3		5
2.4		6
3		7
3.1		7
3.2		10
4		15
4.1		15
4.2		15
4.3		17
5		19
5.1		19
5.2		19
5.3		19
5.4		20
6		21
6.1		21
6.2		22
6.3		23
6.4		24
7		25
8		28
8.1		28
8.2		28
8.3		28
8.4		28
8.5		29

1

ZG-dSVG

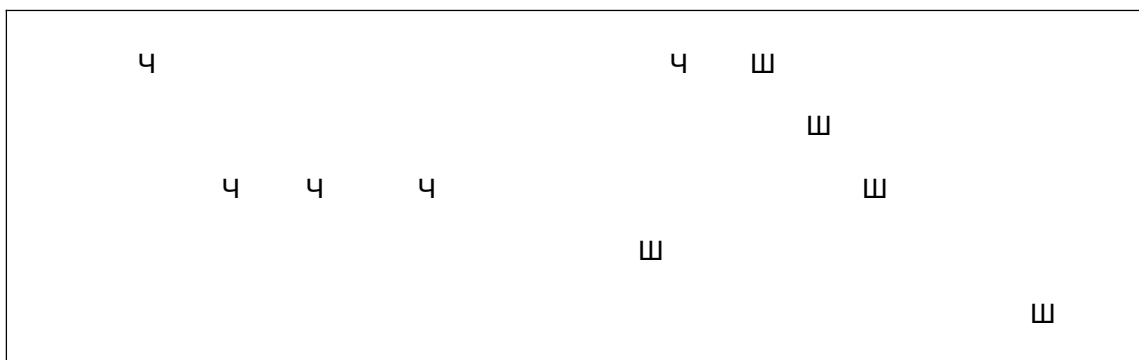
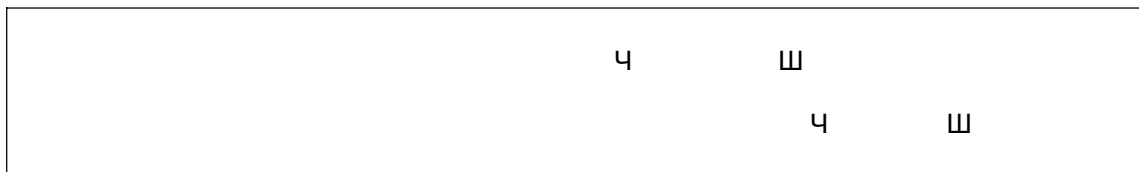


1.1

1.1.1

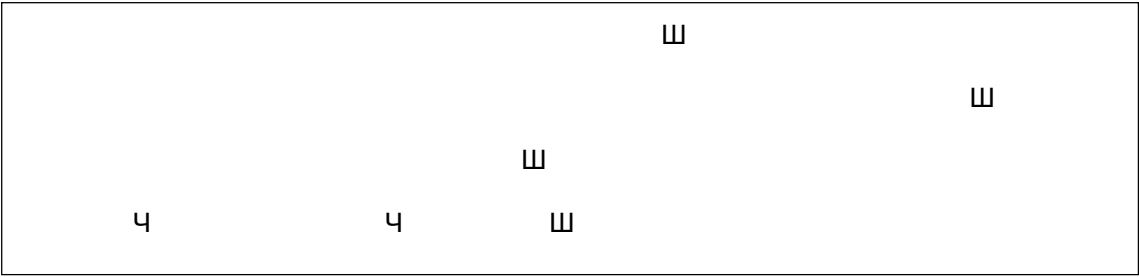


1.1.2

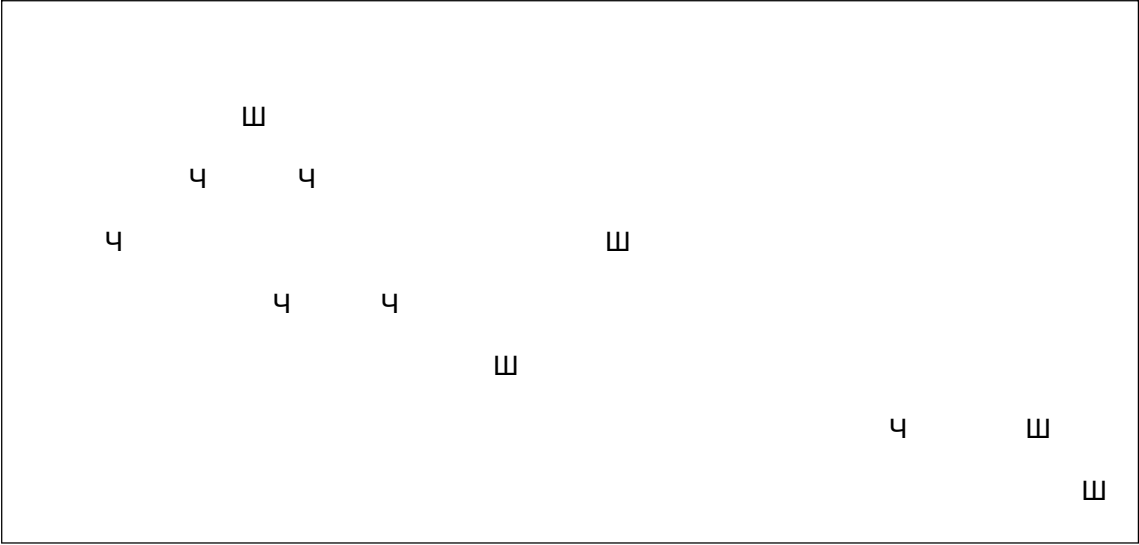


1.1.3

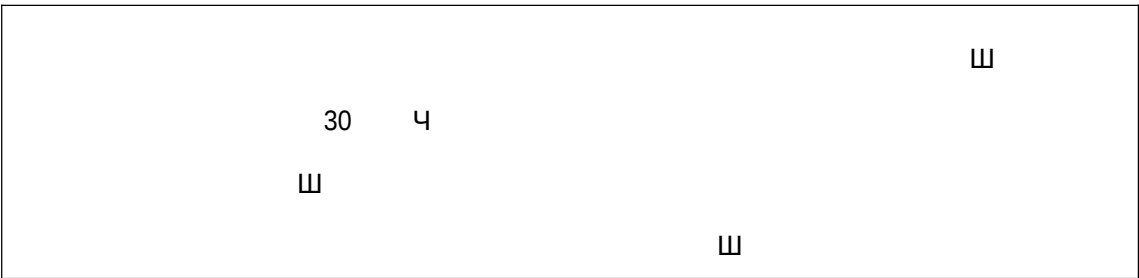


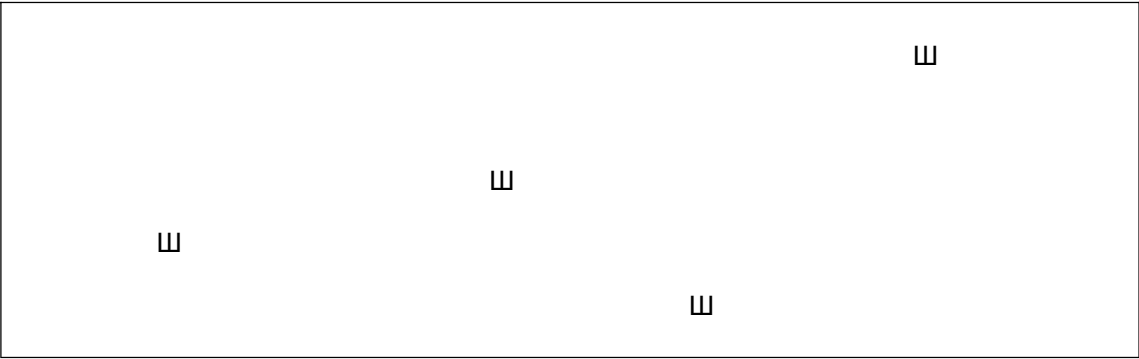


1.1.4



1.1.5





1.1.6



1.1.7



ZG-dSVG

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2

2.1

1)

-15 45 , 5K/hЩ

2)

90%(20)Щ 5%/h,
Щ

3)

, Щ

4)

1000m 1000m Щ

5)

: 2Hz 9Hz <0.3mm
9Hz 200Hz, 5m/s²Щ ,
Щ

6)

a -20% +15%

b 20kVA Щ

2.1

Щ

2.2

1 6kV Ч 10kV Ч 35kV

2 1—20 MVar

3

4		<5ms
5		<3%
6	SVG	>99%
7		<1000m

2.3

SVG

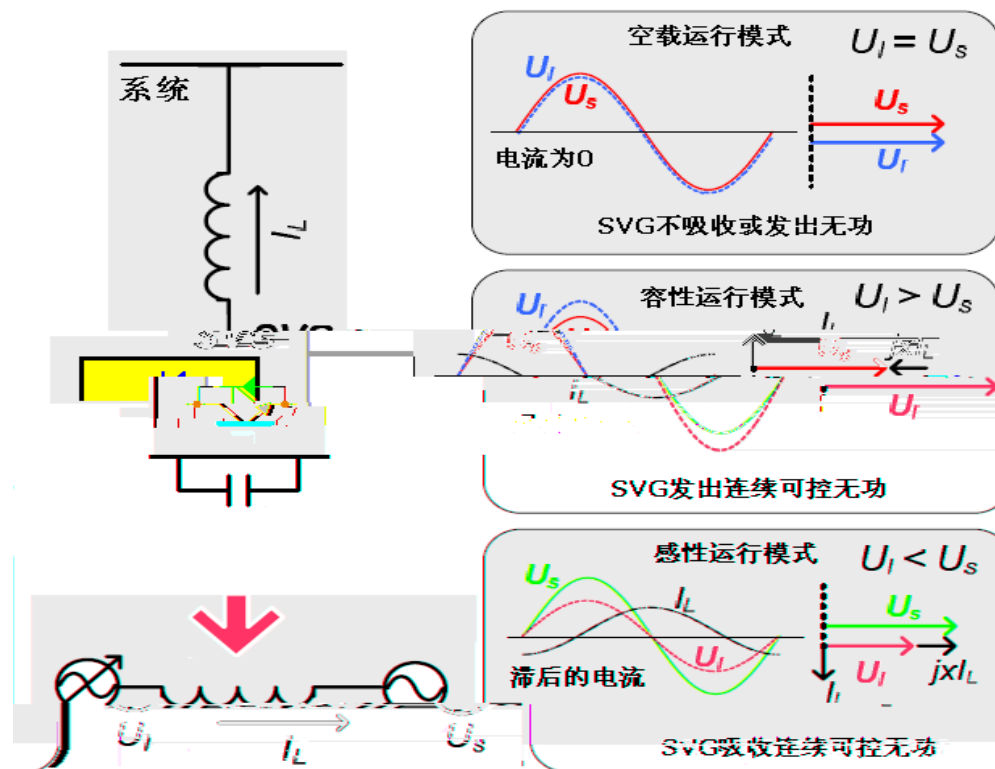
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SVG

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2-1SVG

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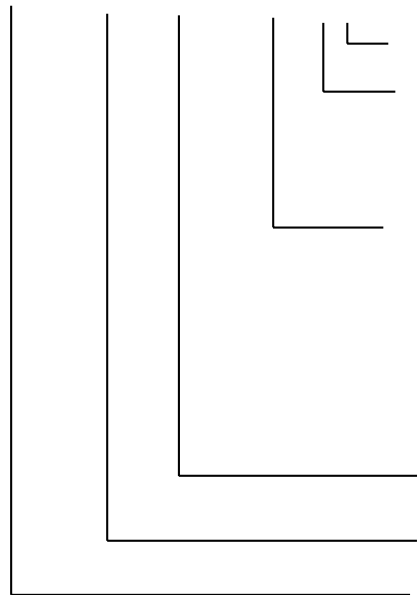
$$I_1 = (U_s - U_1) \div jX_L$$

2-1

2.4

ZG-dSVG

ZG-dSVG- / /



A-Z 0-9

1. Y 2. 1. 2.

I. W. Ł.

03 3kV

06 6kV

10 10kV

35 35kV

kVar

$$n \text{ H} \quad n \text{ H}$$

10kV

± 2000kvar

12 H

卜 乚

A10

ZG-dSVG-12H 2000/10Y/A10山

ZG-dSVG

10kV

600A

600A

35kV

W

Θ ZG-dSVG

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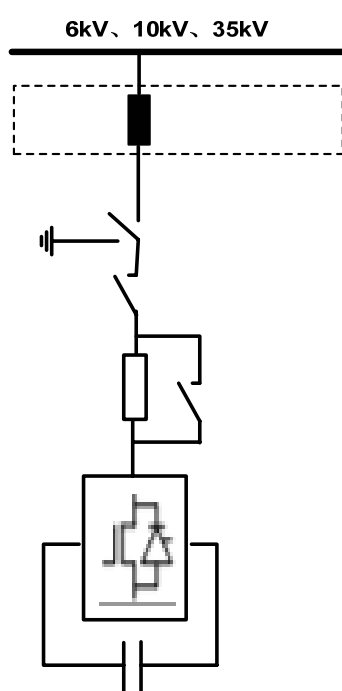
W

3

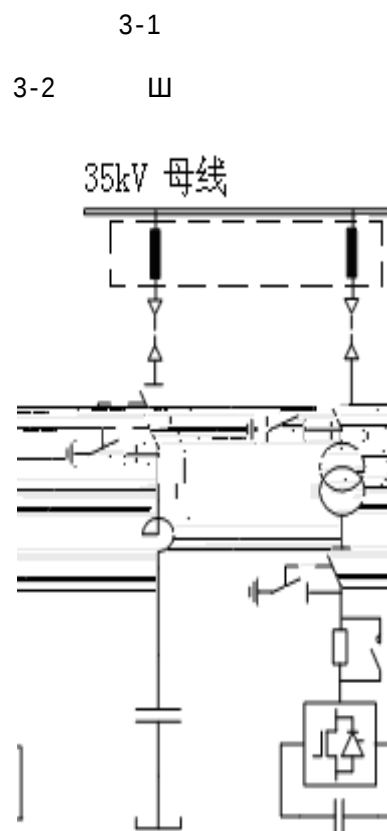
3.1

ZG-dSVG

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3-1

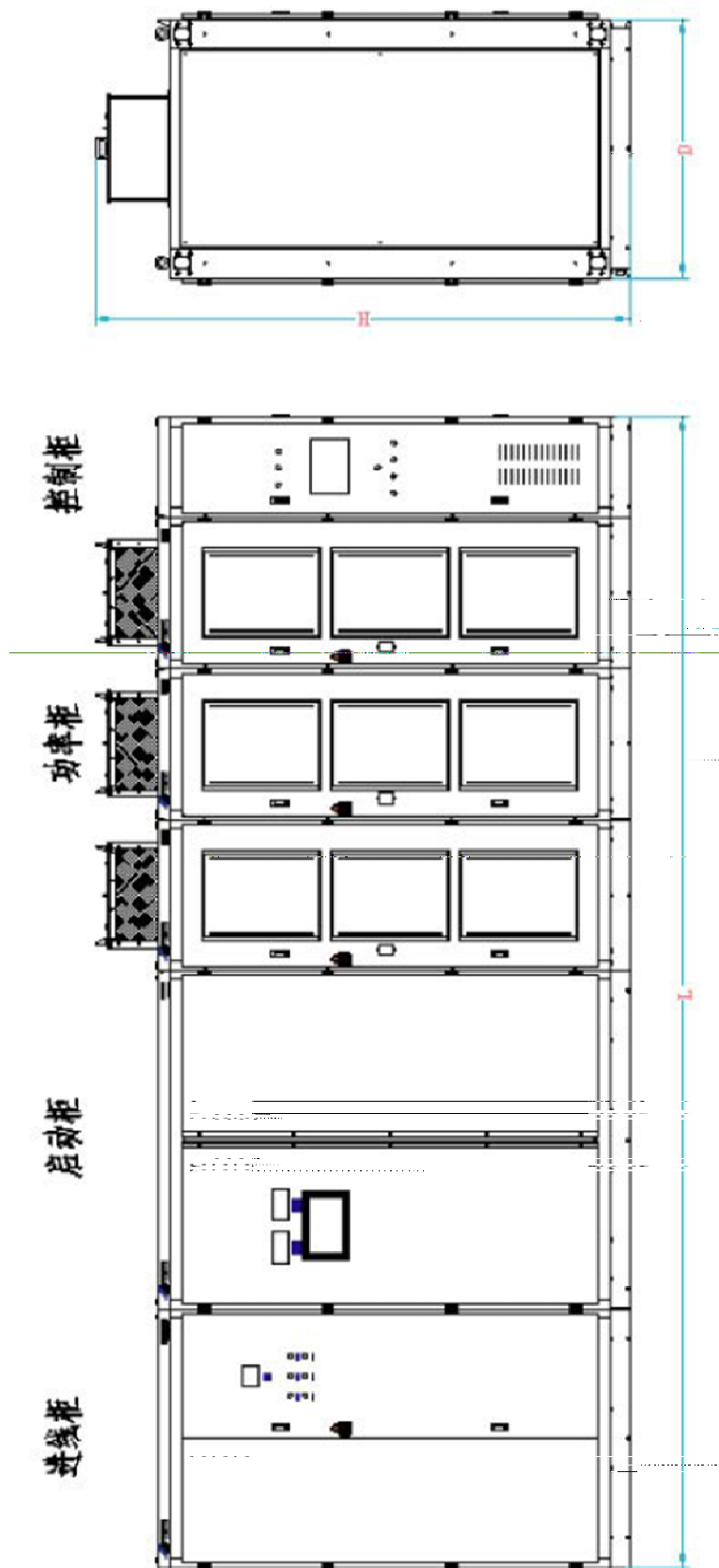


3-2

ZG-dSVG

3-3

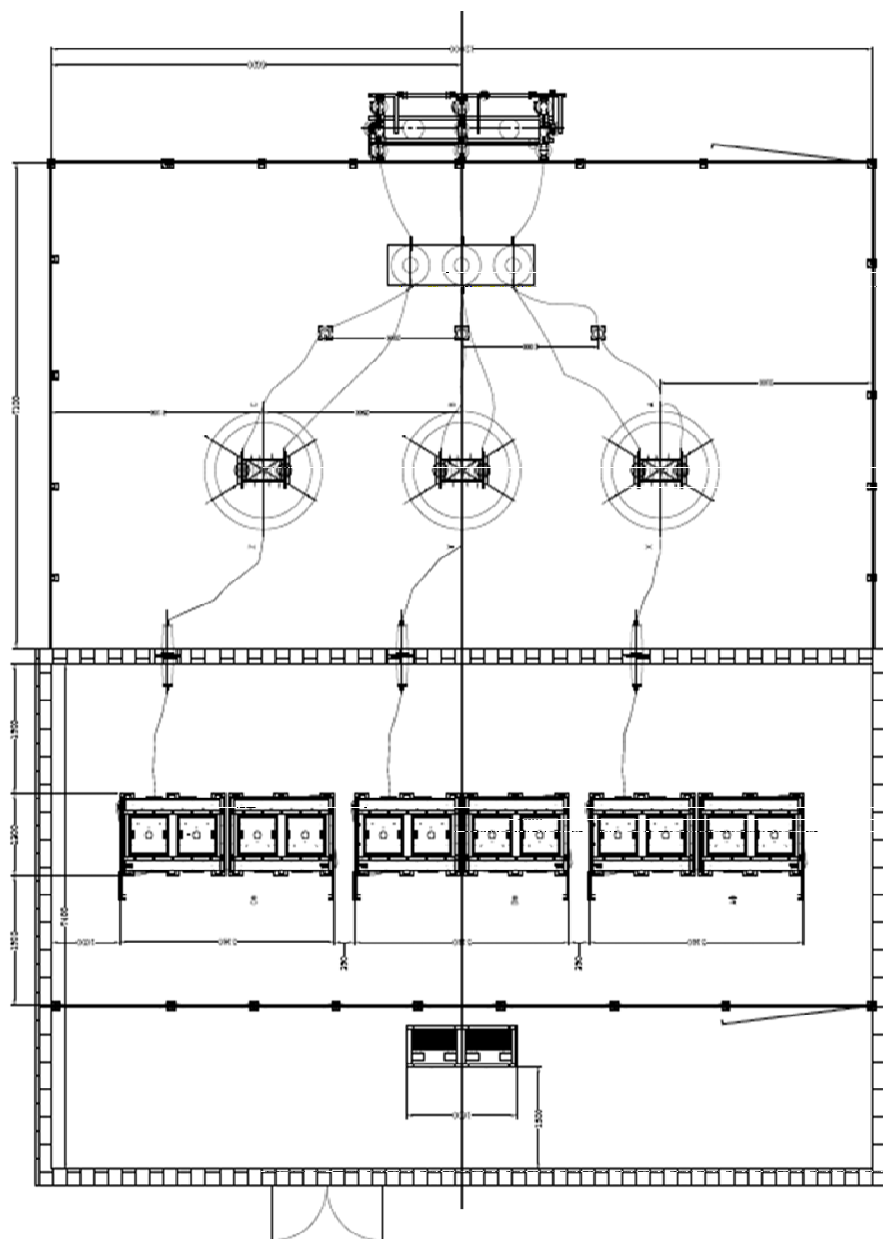
1	4	4	Ш
2	4	Ш	
3	4	Ш	
4	4 UPS 4	4	Ш



3-3 6kV 410kV ZG-dSVG

1	10kV	35kV	Ш
2			Ш
3	FC		Ш
4	FC		Ш
	35kV	ZG-dSVG	
3-4			

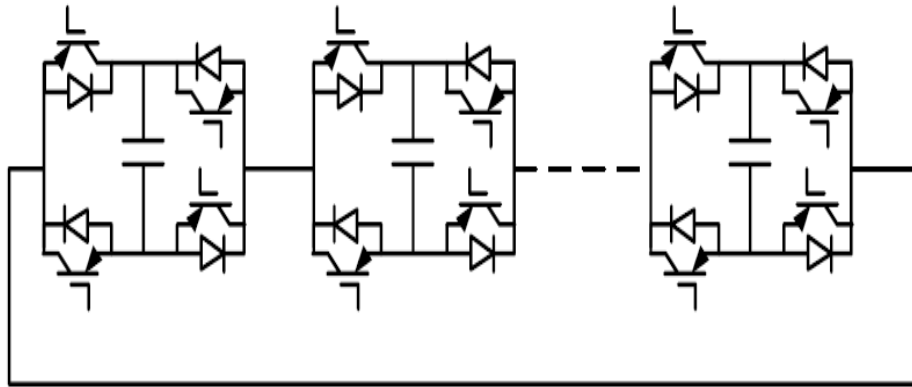
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3-4 35kV ZG-dSVG

3.2

1



3-5

3-5

1. ZG-dSVG

2.

3.

IGBT

IGBT

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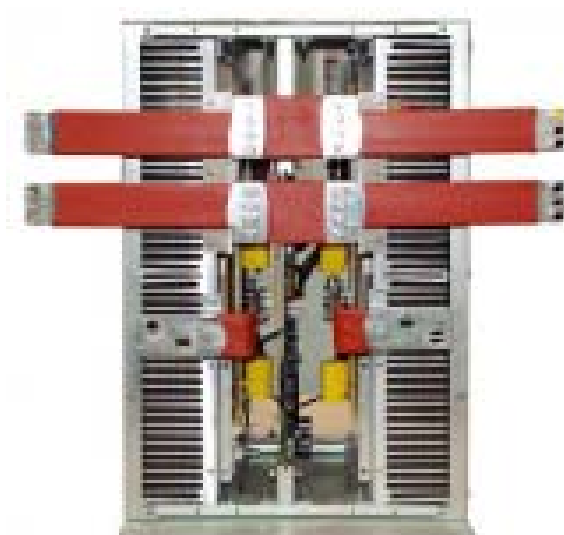
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3-6

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3-7

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ZG-dSVG

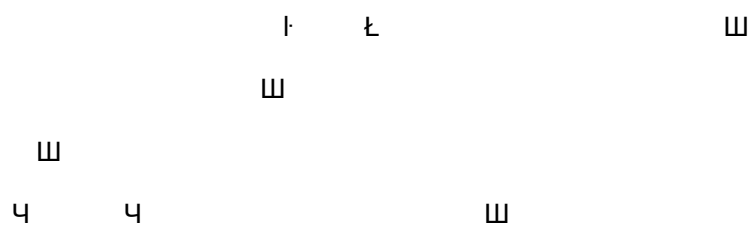
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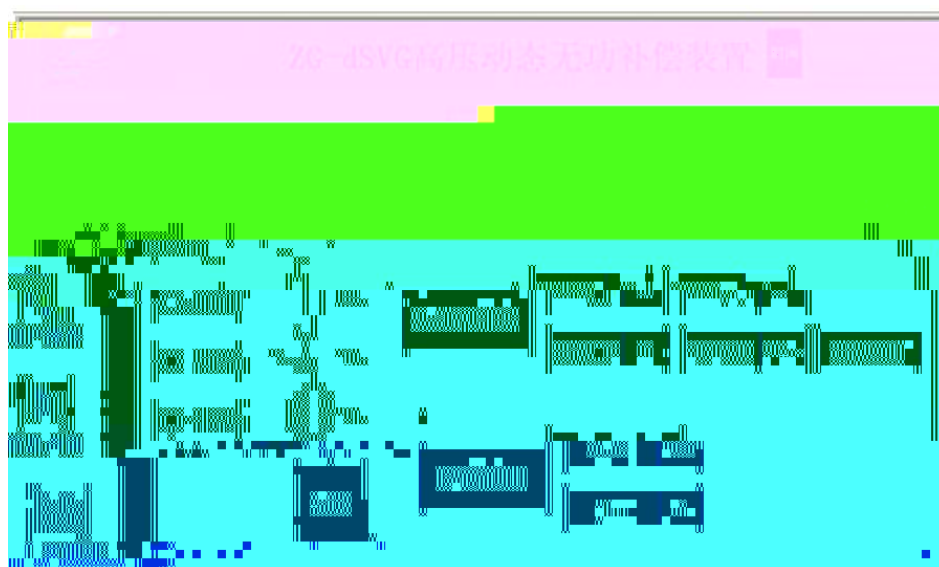


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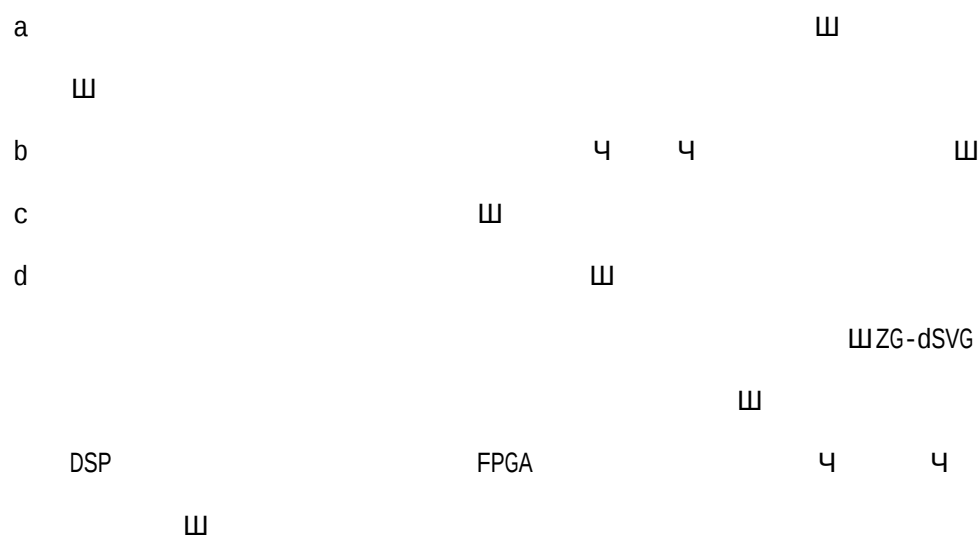
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3-9



3-9



4 4 4

SVG

4

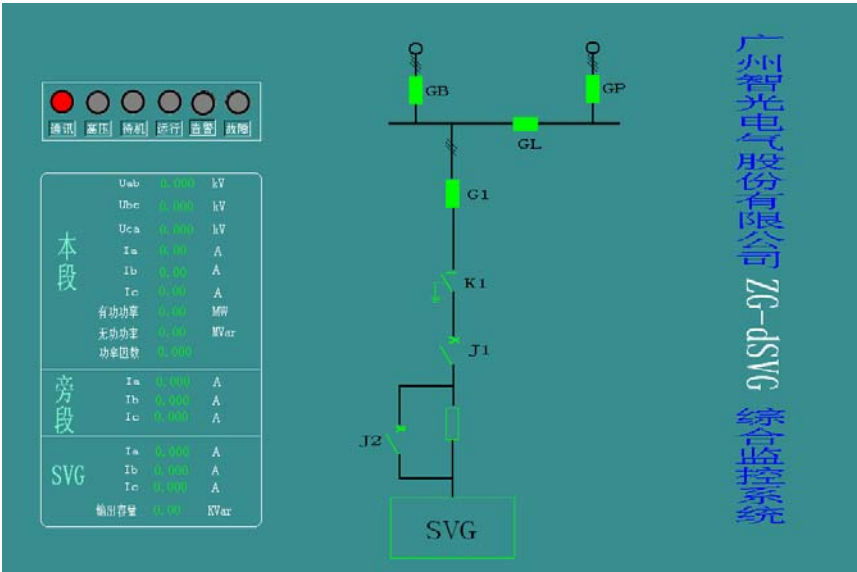
4

4 4 4 /

RS232/RS485

CAN RJ45 Modbus 4
Profibus 4TCP/IP IEC61850 GPRS 4
GPRS 4

4



3-10

1 windows XP

2 4 4

4 4 4 4 4

3 4 4 1-25

4 6

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8			Ш
		Ш	
9			Ш
	Ч	Ш	
10	Ш		
11		Ч	Ш

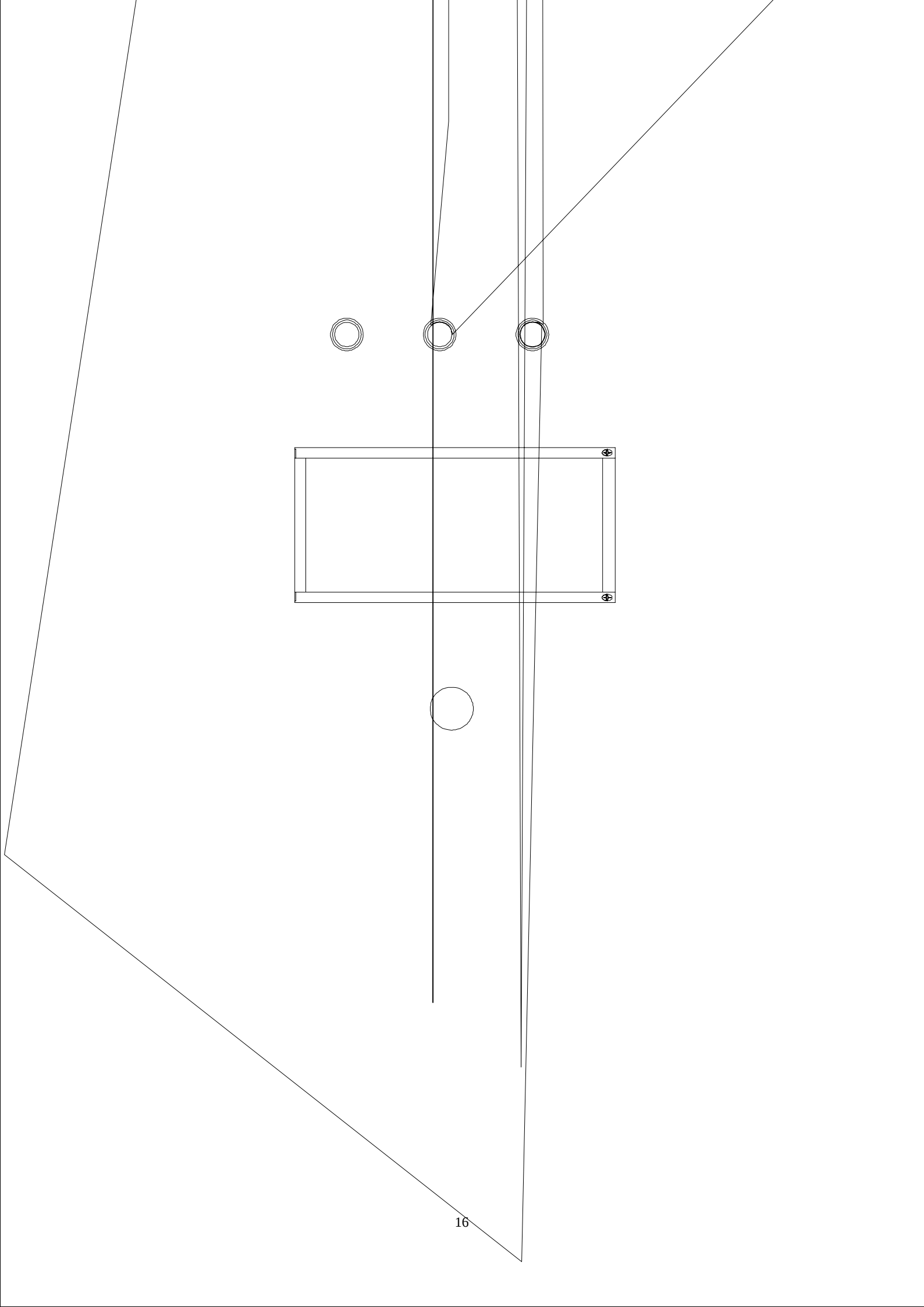
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4.1

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		Ш
	/	
		Ш
		Ш

4-1

ZG-dSVG

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4.3

TPC7063H TPC7062K

RS485

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5.1

1. 380V Ш
2. Ё / Ё Ш
3. Ш
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- Ш
5. Ё Ё Ш
6. Ё Ё Ш

5.2

1. 380V Ш
2. Ш
3. Ё Ё
- Ш
4. Ё Ё Ш
- 5.
- Ё Ё Ш

5.3

1. Ш

2. 380V

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5.4

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6

-10 () 45 (10
) 5K/h

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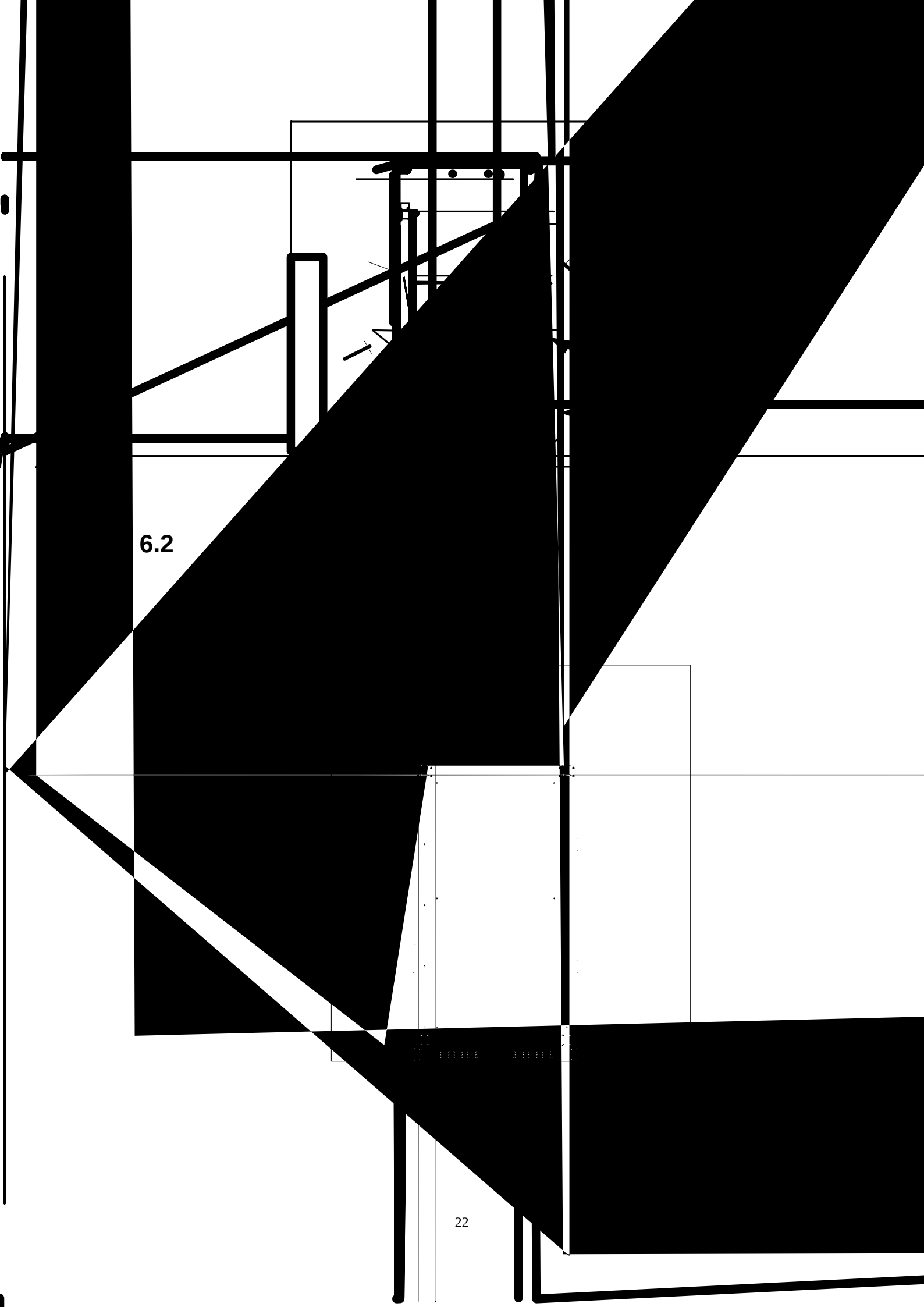
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6.1

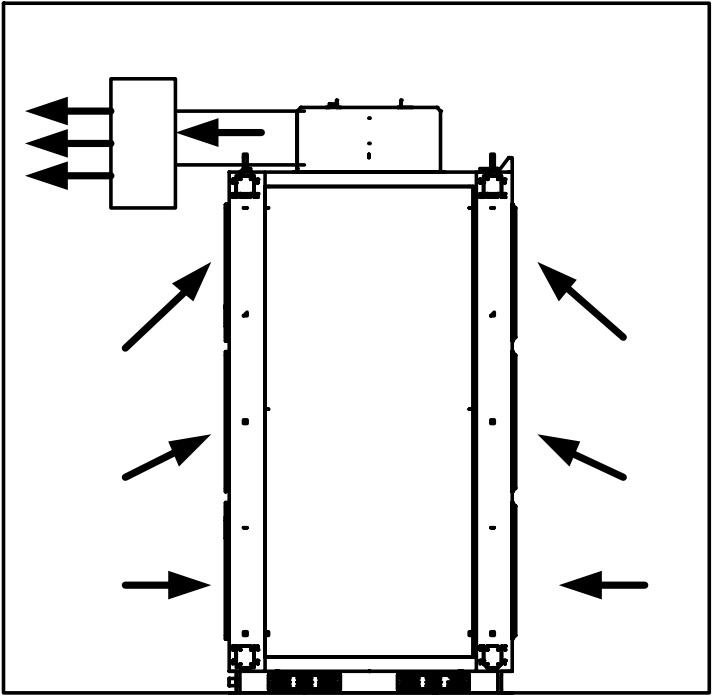
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6.2

6.3

1



6-3

2

1

6.4

W

$$S = 3300 \text{ m}^3/\text{s} \times A_1 + 7100 \text{ m}^3/\text{s} \times A_2 \div V \quad 6-1$$

$$S \quad m^2$$

A1 450 1.1 L

A2 560 1.1 L

V 2m/s

W

4

W

7

ZG-dSVG

Ш

7-1

Ш

Ш

7-1 ZG-dSVG

1		1.IGBT 2. 3. 4. Ч 5.	1. 2. 3. 4.
2		1. 2. 3. 4.	1. 2. 3. 4.
3		1. Ч PT 2. 3. 4. 5. 6. 7.	1. Ч SVG Ш PT 2. 3. 4. 5. 6.
4		1. 2. 3. 4. 5.	1. Ш 2. 3. 4. 5.
5	/	1. 2. 3. 4. 5.	1. 2. 3. 4.
6		1.PT	1.

		2. 3.	2.
7	1/2	1. 2. 3. 4.	1. 2. 3. Ш
8		1. 2. 3. 4.	1. 2. 3. Ш
9		1. 2. 3. 4.	1. 2. 3. Ш
10		1. 2. 3.	1. 2.
11		1. 2.	1. 2.
12		1. 2. 3. 4.	1. 2. 3.
13		1. UPS 2. 3. 4.	1. UPS 2. 3. 4.
14			1. 2.
15		1. 2. 3. PT 4.	1. 2. 3. Ч SVG Ш PT
16	/ /	1. 2. 3.	1. 2. 3.
17		1. 2. $\pm 15V$ 3. 4.	1. 2. $\pm 15V$ 3. 4.

8

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8.1

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8.2

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4

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8.3

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2

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3

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4

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5

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8.4

1

Ч

	Ш			
2				Ш
3			Ш	
4		Ш		
5		Ш		

8.5

4	Ш
	Ш