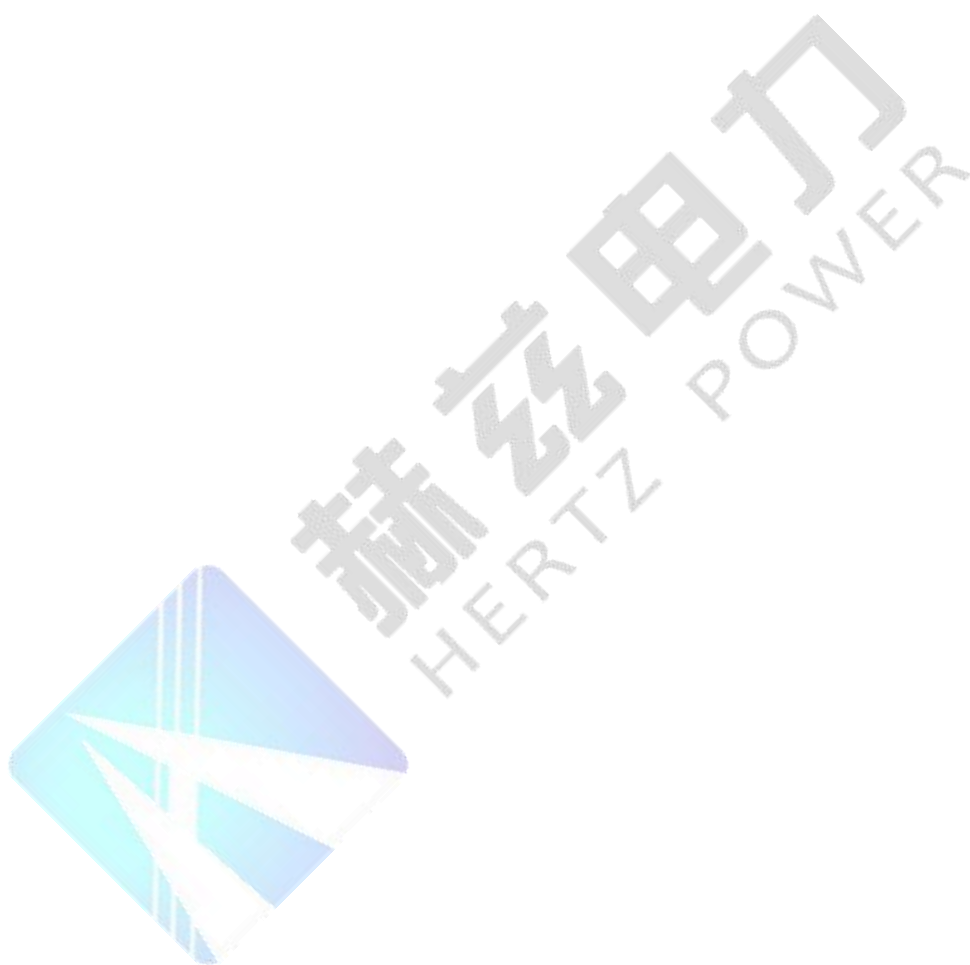






HZCDP-30kV



赫兹电力
HERTZ POWER



0.1Hz						



--	--	--	--	--	--	--

1 0.1Hz

2

1	DL/T 849.4 2004 4
2	Q/ED116501-2004

1.



9.

10.

1. 220V $\pm$ 5% 50 $\pm$ 2Hz

3kW

50Hz 220V $\pm$ 5%

2. 30kV

3. 0.1Hz 0.05Hz 0.02Hz

4. 0.1Hz-1.1uF 0.05Hz-2.2uF 0.02Hz-5.5uF

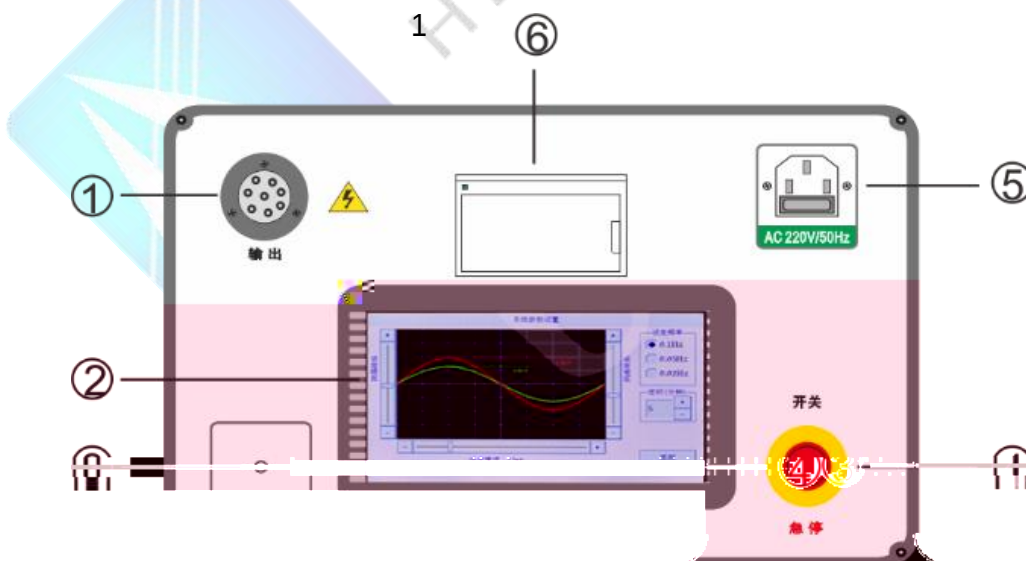
4. 3%

5 $\leq$ 3

6. $\leq$ 5

7. -10 +40 $\leq$ 85 RH

1.



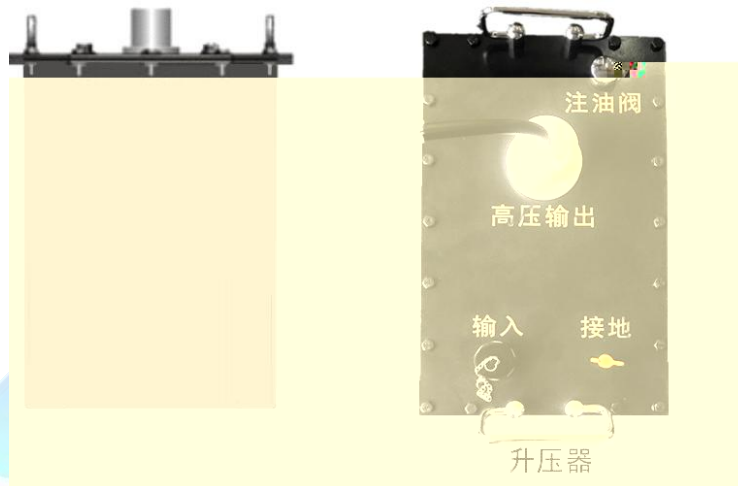


- 1 .
- 2 .
- 3 .
- 4 . /

5 . AC220V

6 .

2. 2



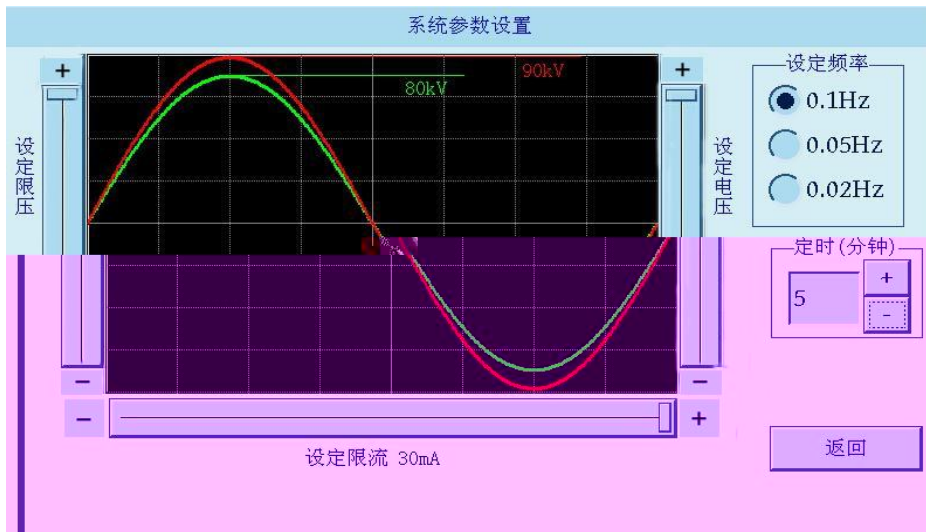
2

- 1 1.
- 2
- 3
- 4



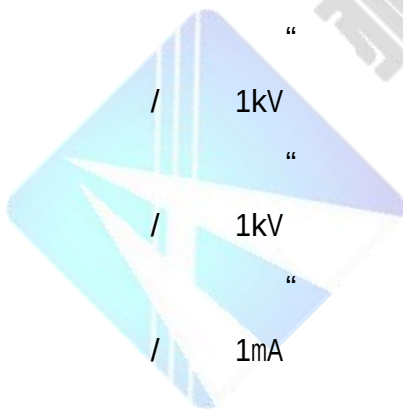
AC220V

3



3

1.



“

”

“ + ”

“ - ”

2.

/ 1kV

“

”

“ + ”

“ - ”

3.

/ 1kV

“

”

“ + ”

“ - ”

3.

3

0.1Hz 0.05Hz 0.02Hz

4.

99

“ + ”

“ - ”

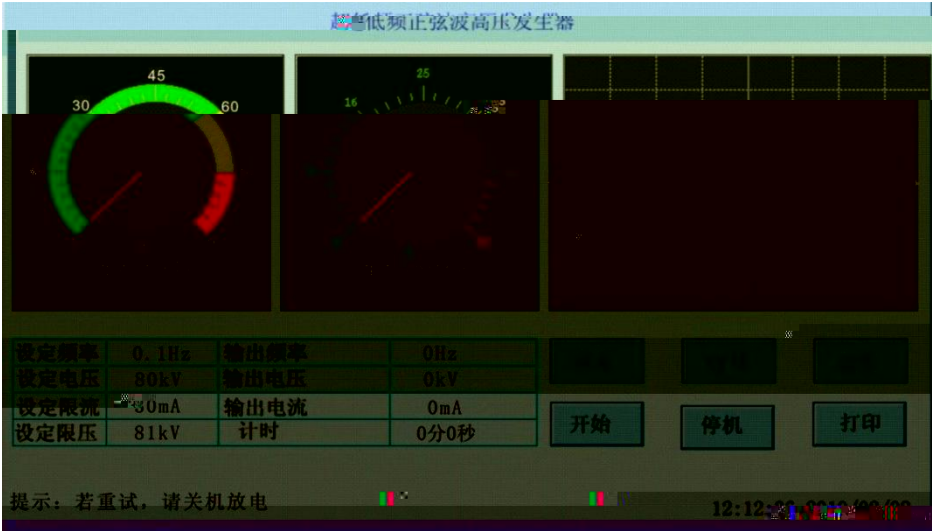
“

”



“ ”

4



4

“ ”

5

“ ”

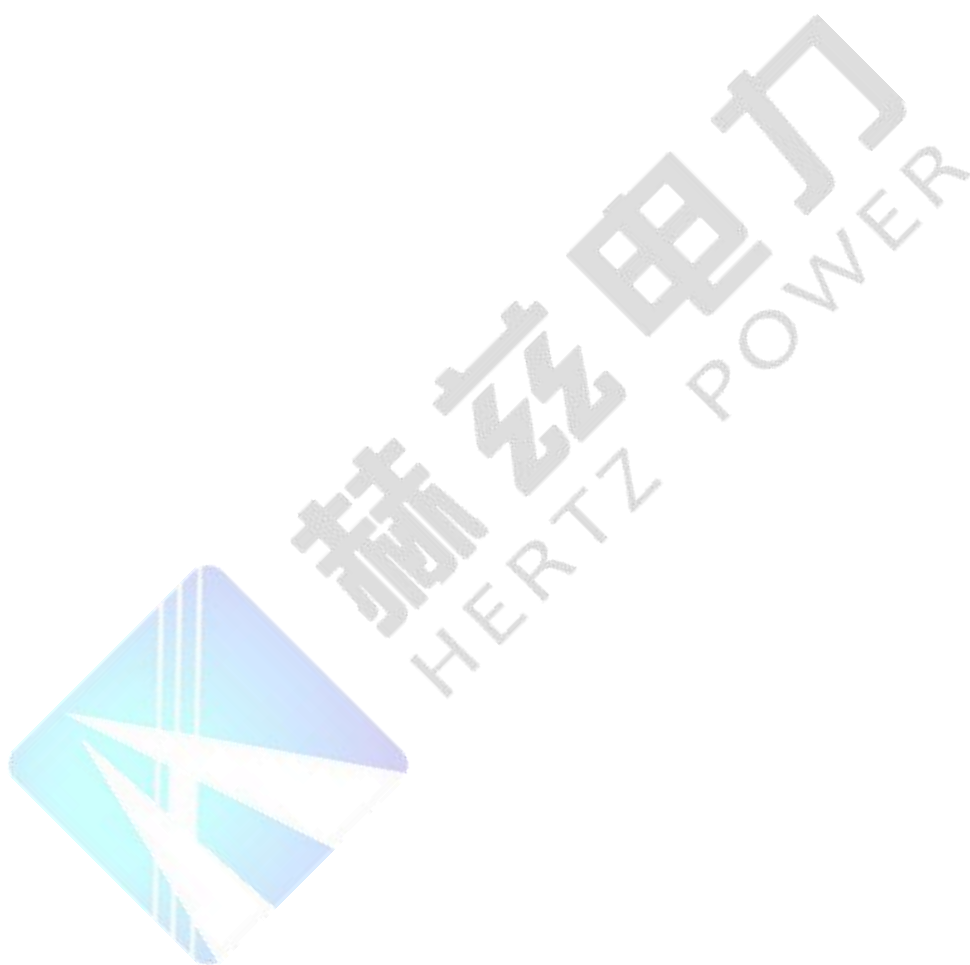
64

64

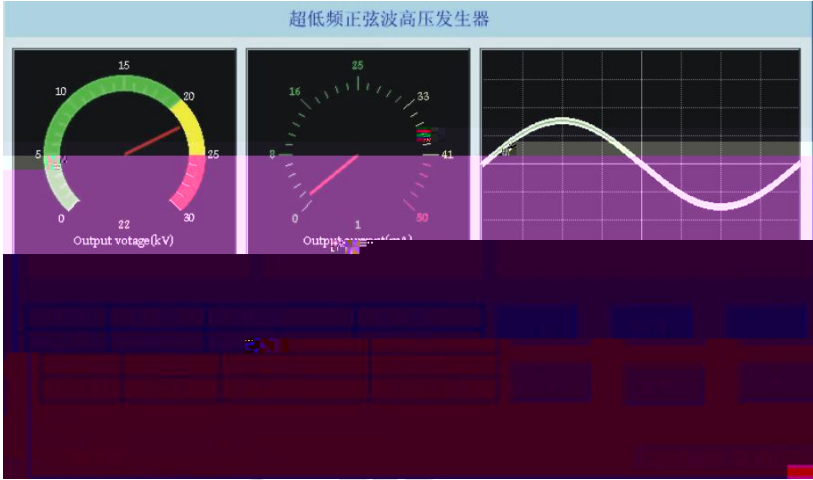
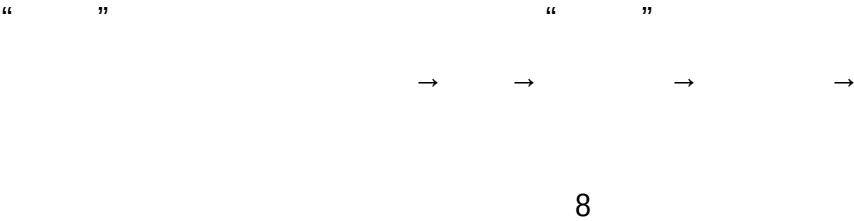
“ ”



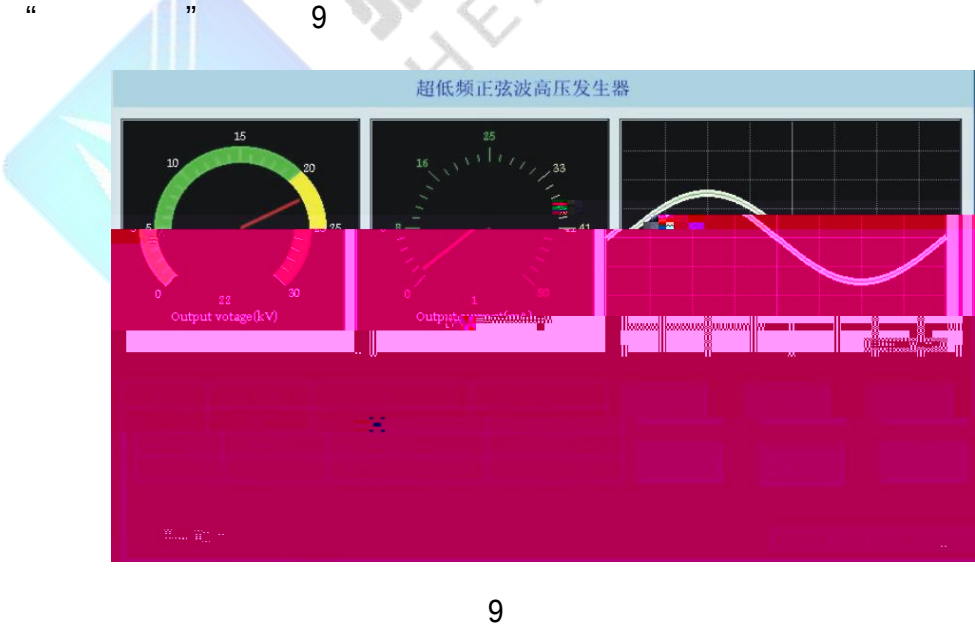
5



3.2.1



3.2.2

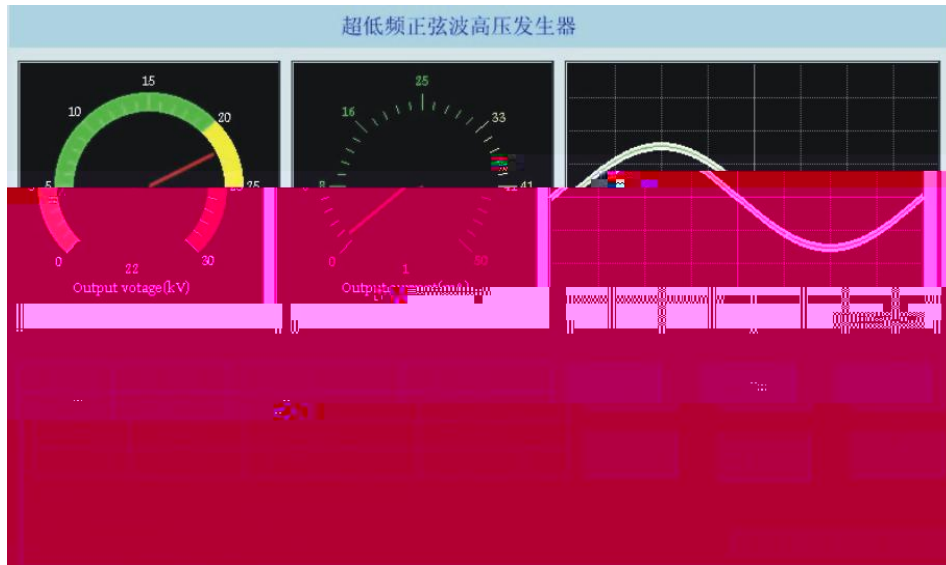


3.2.3

“ ”

10

“ ”

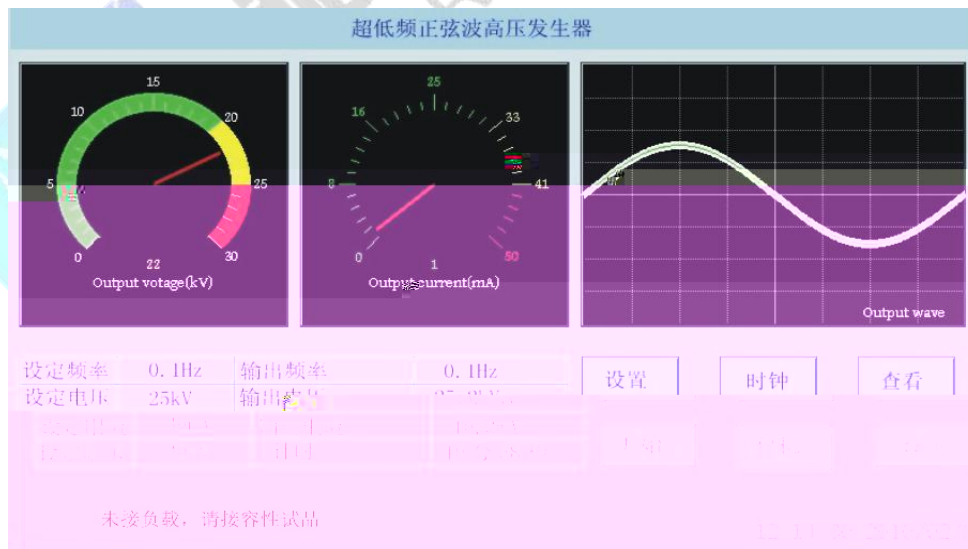


10

3.2.4

“

超低频正弦波高压发生器



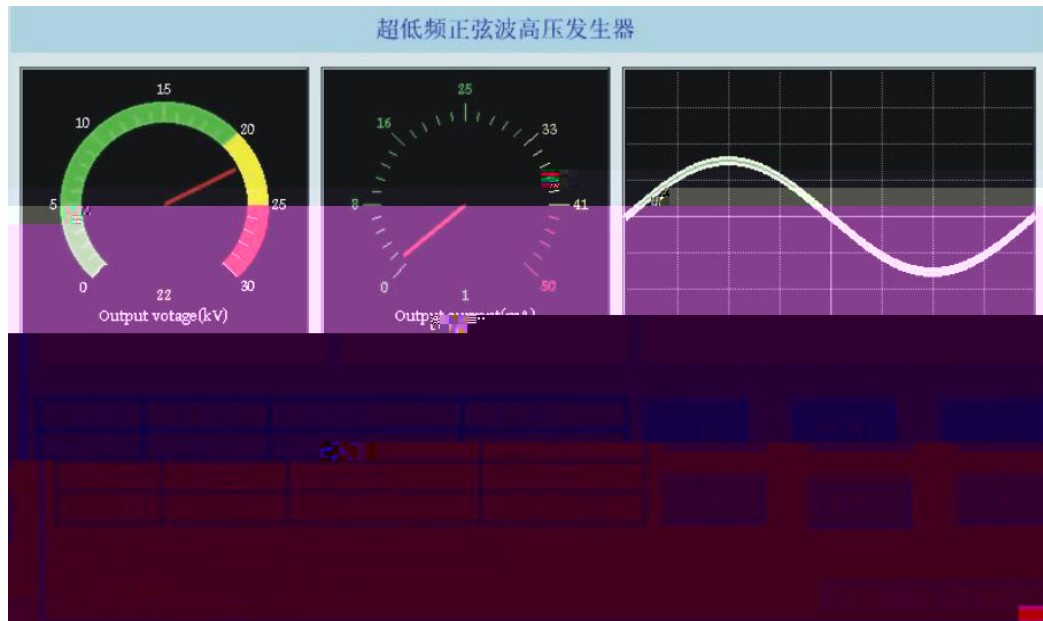
11

11

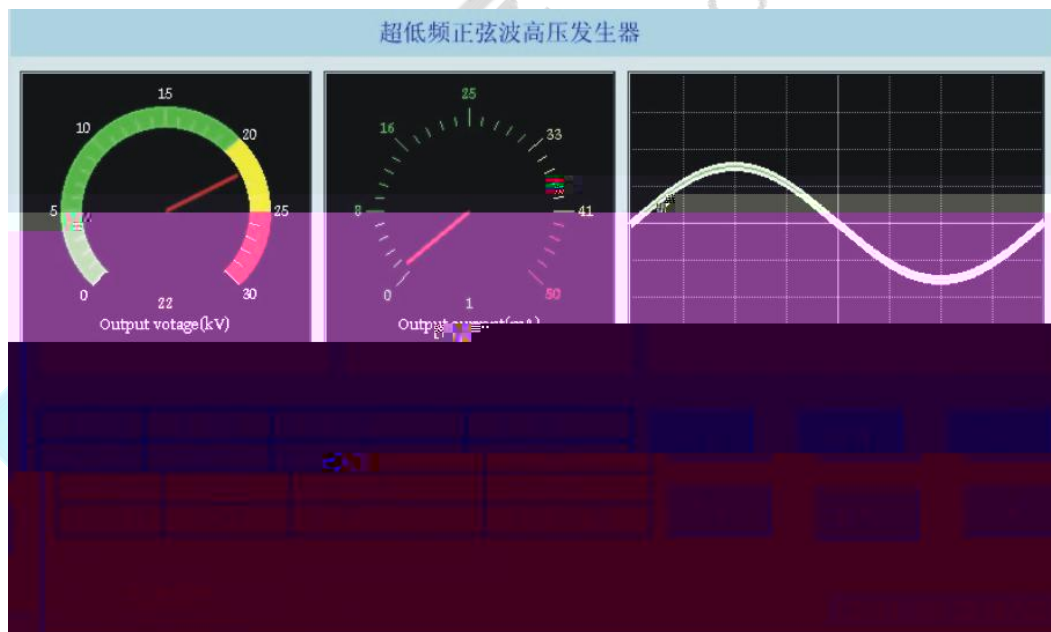
3.2.4

12

13



12



13



1.

2.

3.

1

$U_{max}=3U_0$

U_0

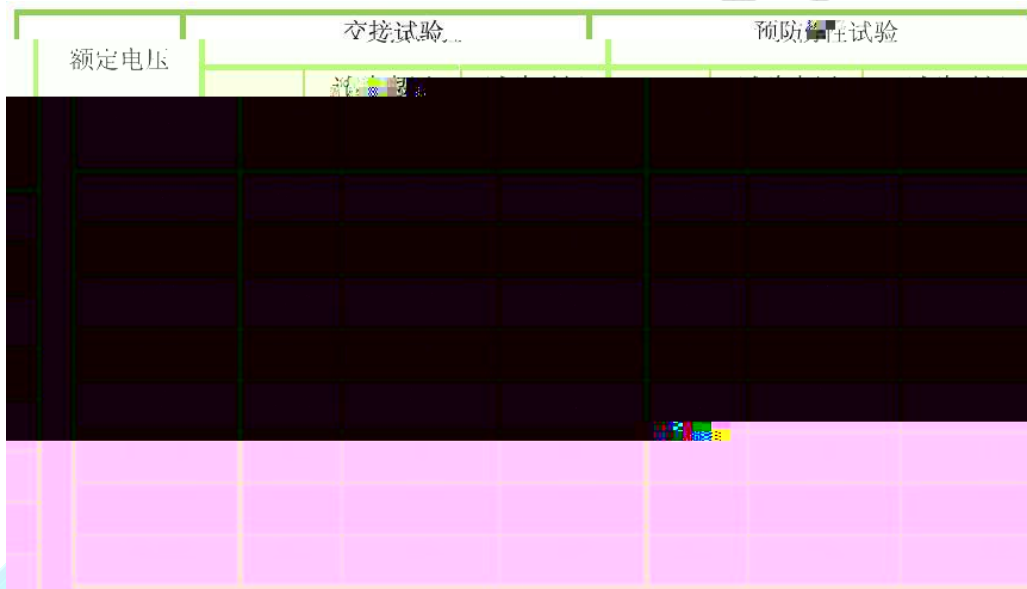
10kV

$U_0=6kV$

$U_{max}=3U_0=18kV$

0.1Hz

3



UN

3

U_0

0.1Hz

0.05 μF

4.

5.

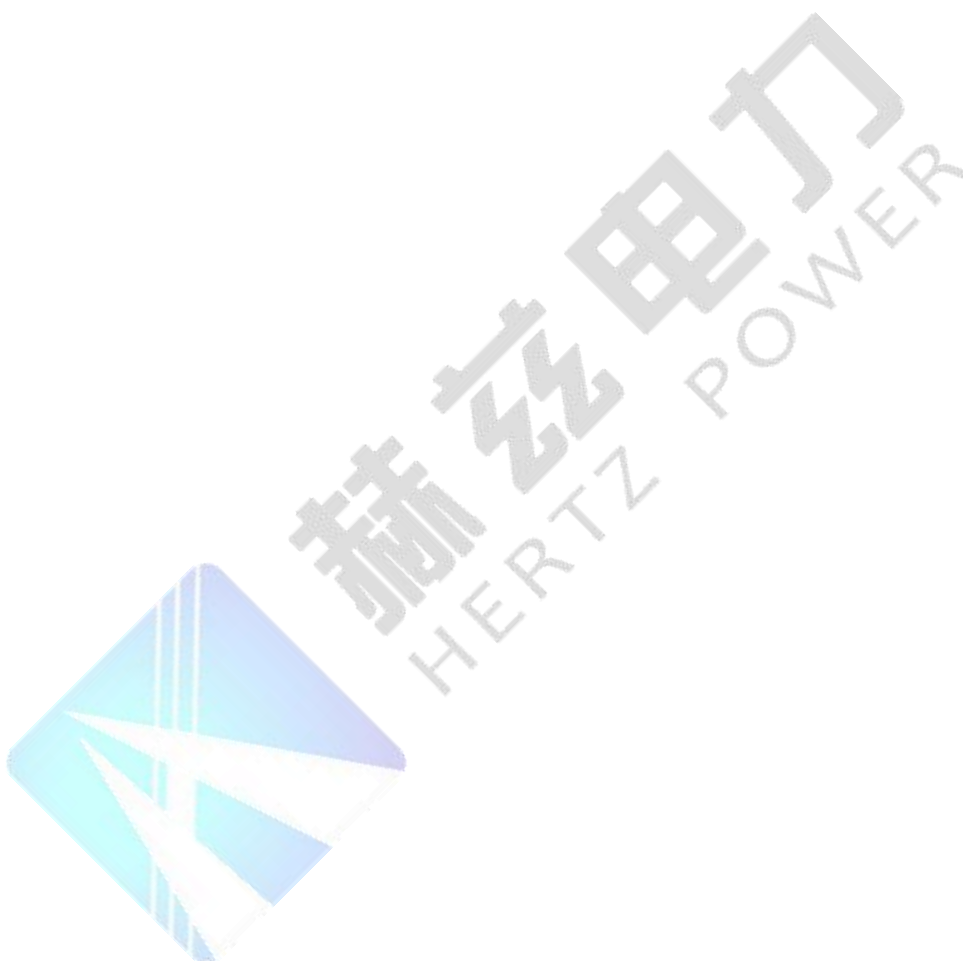
6.

$$I_0=2\pi fCU=2\times 3.14\times 0.1CU(\text{mA})\dots\dots\dots(1)$$

C

μF U

kV



10.

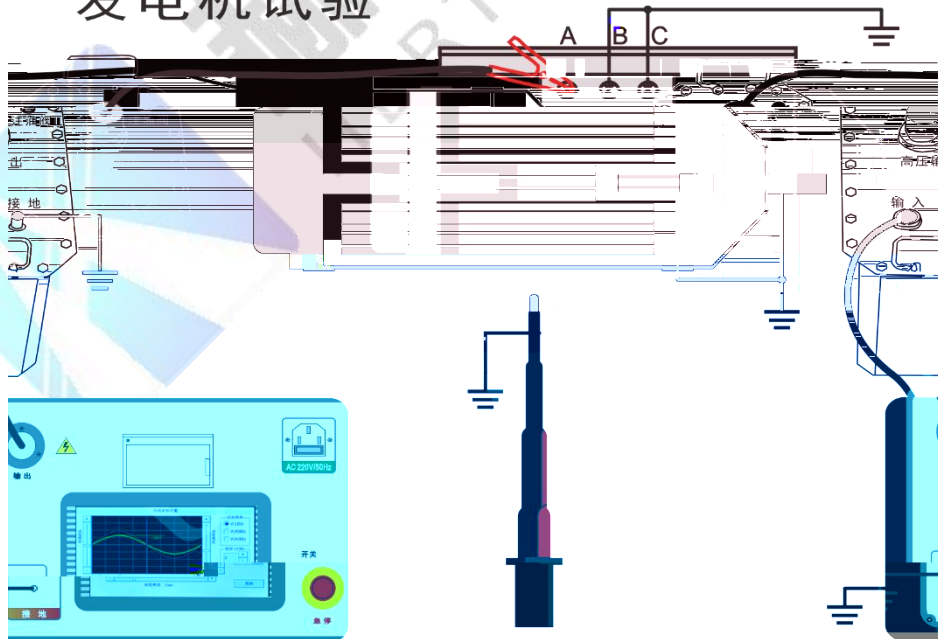
1

0.1Hz

2

15

发电机试验



15

gggOH



赫兹电力
HERTZ POWER

产品宗旨：技术领先，质量可靠，轻便耐用
服务宗旨：快速响应，客户满意，超过期望

3

$$\beta = \frac{U_0}{\sqrt{2} U_{0\max}} \approx \frac{U_0}{\sqrt{2} U_{0\max}}$$

$$U_0 = \frac{U_{0\max}}{\sqrt{2} \beta} \approx \frac{1.5}{\sqrt{2} \times 0.1} \approx 10.6 \text{ kV}$$

$$U_{0\max} = \sqrt{2} \beta U_0 \approx 1.414 \times 0.1 \times 13.8 \approx 1.95 \text{ kV}$$

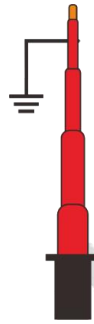
$$1.2 \times 1.5 \times 13.8 \approx 35.1 \text{ (kV)}$$

4
5

	汽轮发电机			水轮发电机			
发电机容量 (MW)	200	300	600	45	125-150	300	400
单相对地电容 (pF)	0.198	0.18-0.25	0.31-0.34	0.69	1.8-1.7	1.7-2.5	2.0-2.5

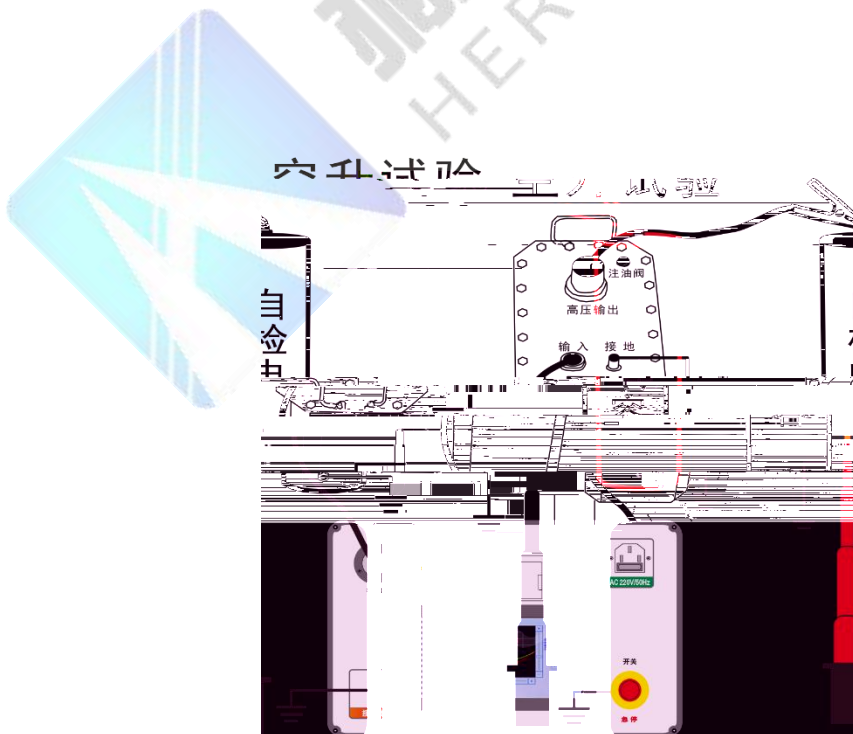


16



16

17



17



1.

2.

3.

4.

5.

6.

5.2



-20

+60

85%



1		1	
2		1	
3		2	
4		1	
5		1	
6		1	
7		1	
8		1	
9		3	
10		2	
11		1	
12		1	
13		1	



U / UN(KV)				
		KV		KV
1.8/3	3 U	5	2.1 U	4
3.6/6	3 U	11	2.1 U	8
6/6	3 U	18	2.1 U	13
6/10	3 U	18	2.1 U	13
8.7/10	3 U	26	2.1 U	18
12/10	3 U	36	2.1 U	25
21/35	3 U	63	2.1 U	44
26/35	3 U	78	2.1 U	55
U , UN 1-5 .				



uF/km					
	YJV YJLV 6/6KV 6/10KV	YJV YJLV 8.7/10KV 8.7/15KV	YJV YJLV 12/20KV	YJV YJLV 21/35KV	YJV YJLV 26/35KV
1*35	0.212	0.173	0.152		
1*50	0.237	0.192	0.166	0.118	0.114
1*70	0.270	0.217	0.187	0.131	0.125
1*95	0.301	0.240	0.206	0.143	0.135
1*120	0.327	0.261	0.223	0.153	0.143
1*150	0.358	0.284	0.241	0.164	



