UHV-270kVA/108kV

13886160371

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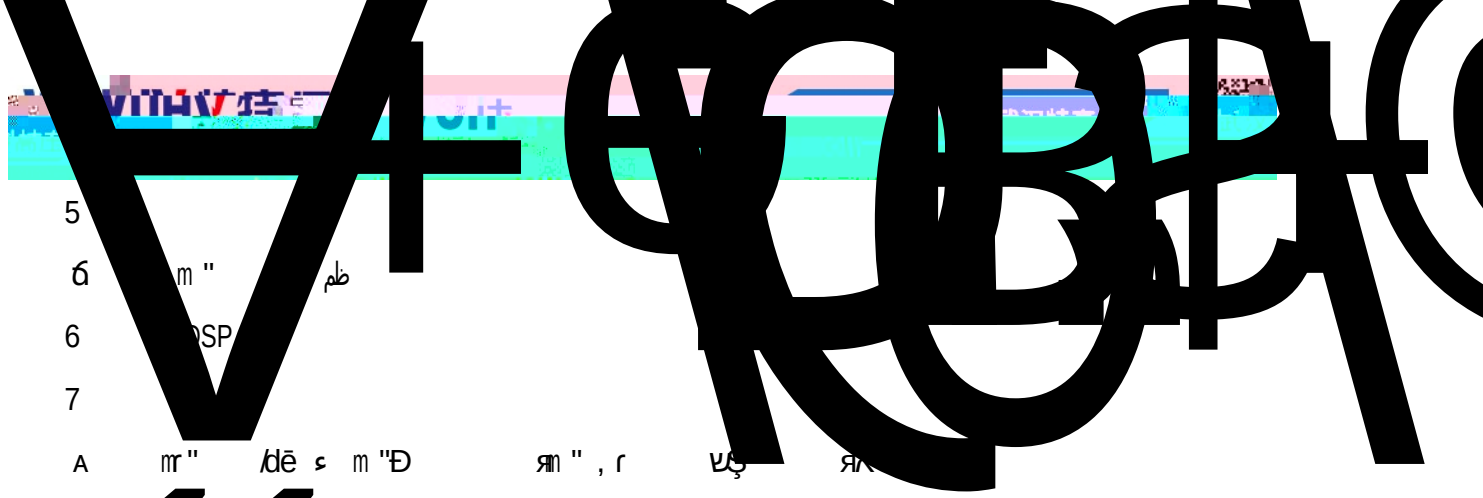
WITHV

UHV-270kVA/108kV

1	10kV/300mm²	6km	≤2.22uF	30-300Hz	
	22kV	15min			
2	35kV/300mm²	2km	≤0.38uF	30-300Hz	
	52kV	60min			
3	110kV/120MVA		≤0.02uF	45-65Hz	
	80kV	1min			
5	35		30-300Hz	95kV	
	1min				



5

6

7

8

1/Q

1/Q

1/10-1/30

[redacted]

11. 60min ≤65K

12. [redacted]

20 -55

14. ≤90%RH

15. : ≤3000

270kVA **33.75kVA/27kV/1.25A/100H**

1 10kV/300mm^2 6km ≤2.22uF 30-300Hz

22kV 5min

L=100/8=12.5H

$f=1/2\pi\sqrt{LC}=1/(2\times3.14\times\sqrt{12.5\times2.22\times10^{-6}})=30.21Hz$

$I=2\pi fCU=2\pi\times30.21\times2.2\times10^{-6}\times22\times10^{3}=9.27A$

3 35kV/300mm^2 2km ≤0.38uF 30-300Hz

52kV 60min

1.15 $L=100\times2\times1.15/4=57.5H$

$f=1/2\pi\sqrt{LC}=1/(2\times3.14\times\sqrt{57.5\times0.38\times10^{-6}})=34.05Hz$

$I=2\pi fCU=2\pi\times34.05\times0.38\times10^{-6}\times52\times10^{3}=4.23A$

4 35kV/31500kVA ≤0.02uF 45-65Hz

68kV, 1min

1.25 $L=100\times4\times1.25=500H$

$f=1/2\pi\sqrt{LC}=1/(2\times3.14\times\sqrt{500\times0.02\times10^{-6}})=50.33Hz$

$I=2\pi$

35kV		6kV	≤ 95kV

3) 1.25A

4) 100H/

5) Q≥30 (f=45Hz)

6)

7) mm 302×435

8) 55kg

( ) UHV-F1000pF/110kV 1

1) 110kV

2) 1000pF

3) tgσ≤0.5%

4) 1500 1

5) 1.5

6) mm 140×1000

7) 8kg

1		UHV-15kW		1
2		UHV-15kVA/1.5/3/6kV/0.4kV		1
3		UHV-33.75kVA/27kV		8
4		UHV-F1000pF/110kV		1
5				1
6				1
7				1
8				1
9				1

DL/T 596-1996
GB50150-2016
GB10229-88
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