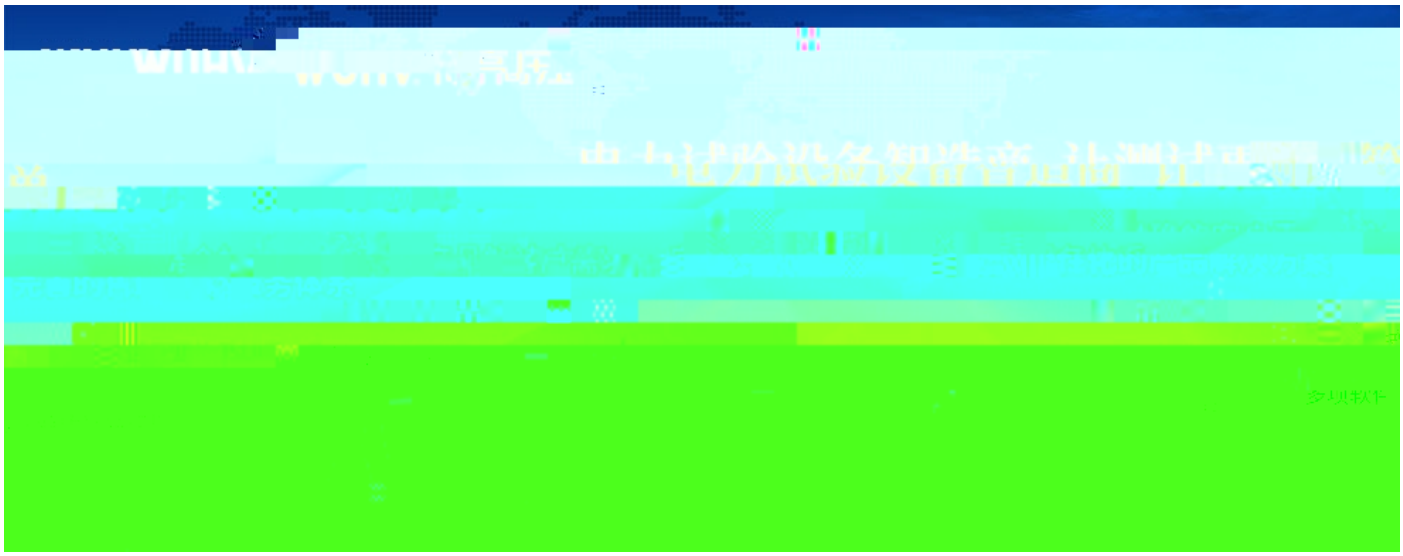
UHV-200kVA/200kV



UHV-200kVA/200kV

1 10kV/300mm² 2km ≤0.751uF 30-300Hz
22kV 5min

2 35kV/300mm² 0.8km ≤0.1556uF 30-300Hz
52kV 60min

3 35kV 30-300Hz 95kV
1min

4 110kV/25000kVA ≤0.02uF 45-65Hz
160kV 1min

5 110kV GIS 30-300Hz 184kV
1min

1		UHV-12kW		1
2		UHV-12kVA/3/6/12kV/0.4kV		1
3		UHV-50kVA/50kV		4
4		UHV-F750pF/200kV		1

UHV

1

2

3

8. ≤1%

9. 220 380V 50Hz

10. 60min 1.1 1

11. 60min ≤65K

12.

13. 20 -55

14. ≤90%RH

15. : ≤3000

200kVA **50kVA/50kV/1A/100H**

1 10kV/300mm^2 2km ≤0.751uF 30-300Hz

22kV 5min

L=100/4=25H

$f=1/2\pi\sqrt{LC}=1/(2\times3.14\times\sqrt{25\times0.751\times10^{-6}})=36.73Hz$

$I=2\pi fCU=2\pi\times36.73\times0.751\times10^{-6}\times22\times10^{3}=3.81A$

2 35kV/300mm^2 0.8km ≤0.1556uF 30-300Hz

52kV 60min

1.15 $L=100\times2\times1.15/2=115H$

$f=1/2\pi\sqrt{LC}=1/(2\times3.14\times\sqrt{115\times0.1556\times10^{-6}})=37.62Hz$

$I=2\pi fCU=2\pi\times37.62\times0.1556\times10^{-6}\times52\times10^{3}=1.91A$

4 110kV/25000kVA ≤0.02uF 45-65Hz

160kV 1min

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

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

$I=2\pi fCU=2\pi\times50.33\times0.02\times10^{-6}\times160\times10^{3}=1A$

	40kVA/40kV		**(kV)**

10kV/300mm²	mm		3	≤ 22kV
kV/300mm²	0 m		3k	≤ 52kV
35kV			6kV	≤ 95kV
110kV/250 VA			12kV	≤ 160kV
110kV	GIS		12kV	≤ 184kV

( ) UHV-12kW 1

2) 12kW

3) 220/380 ± 10%V

4) 0 –

5) 30A

6) 30A

5)

6) 0.01k

7) 1

8) 30 00Hz

9) 0

10) 0.1

11) m

12) 60 m ≤ 65K

13) ≤ 50dB

14) mm 460 × 340 × 385

15)

1) 50kVA;

2) 50kV

3) 1A

4) 100H/

5) Q≥30 (f=45Hz)

6)

7) mm 302×435

8) 55kg

( ) UHV-F750pF/200kV 1

1) 200kV

2) 750pF

3) tgσ≤0.5%

4) 3000 1

5) 1.5

6) mm 140×800

7) 8kg

1		UHV-12kW		1
2		UHV-12kVA/3/6/12kV/0.4kV		1
3		UHV-50kVA/50kV		4
4		UHV-F750pF/200kV		1
5				1
6				1
7				1
8				1
9				1

DL/T 596-2021
GB50150-2016
GB10229-88
GB1094-2013
GB1094.1-GB1094.6-96

GB2900
GB/T16927.1~2-2013
DL/T474.4-2018
DL/T1015
GB/T311.1-2012
GB191-2008
JB/T9641-1999
GB/T19749-2016
GB4793-1995
GB/T3859.2-2013
GB/T2423.8-2018
DL/T849.6-2016 6