

# UTSR-216kVA/110kV 变频串联谐振试验装置

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W



10kV 35kV

32 RISC CPU LINX 7

220V 380V

10kV 300mm<sup>2</sup> 3000m 30~300Hz ≤ 1.126uF,  
22kV  
35kV 300mm<sup>2</sup> 1500m 30~300Hz ≤ 0.29uF,  
52kV  
35kV 6300kVA  
45~65Hz 95kV

15<sup>0</sup>C-45<sup>0</sup>C;  
≤ 90%RH;  
: ≤ 2500

- 1. 216kVA
- 2. 220V/380V 50Hz
- 3. 27kV 54kV 108kV
- 4. 8A 4A 2A
- 5. 30-300Hz
- 6. ≤ 1%
- 7. 60min
- 8. 60min ≤ 65K
- 9. Q ≥ 30(f=45Hz)
- 10. ( )
- 11. 1.5

GB50000 2000

74.4-200

DL-1996

27.1-4 1997

015

GB/T311.1-1997

GB10229-1988

GB1094.3-2003

GB191-2000

JB/T9641-1999

IEC 358(1990)

GB4793-1984

GB/T3859.2-1993

GB/T2423.8-1995

DL/T849.6-2004

$$I=2\pi fCU =2\pi \times 40.8 \times 1.126 \times 10^{-6} \times 22 \times 10^3=\textcolor{blue}{6.35} \text{ A}$$

1 .35kV 300mm<sup>2</sup> 1500m 30~300Hz ≤  
0.29uF, 52kV

$$54*2 /2=54H$$

$$f=1/2\pi \sqrt{LC}=1/(2 \times 3.14 \times \sqrt{54 \times 0.29 \times 10^{-6}})=$$

- f)
- g) 0.01kV
- h) 0.5%
- i) 30 – 300Hz
- j)  $\leq 0.1\text{Hz}$
- k) 0.1%
- l) 60min
- m) 60min  $\leq 65\text{K};$
- n)  $\leq 50\text{dB}$
- o)

,

,

15kg

- a) 54kVA
- b) 27kV
- c) 2A
- d) 52H/
- e)  $Q \geq 30$  (f=45Hz

4. 24

,24 ,